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SSMO

CENTRAL
AMERICAN
COASTAL
MARINE
AREAS

WEST COAST

AD A 097429

SUMMARY OF SYNOPTIC
METEOROLOGICAL
OBSERVATIONS
(SSMO)

CENTRAL AMERICAN COASTAL MARINE AREAS
WEST COAST

VOLUME 1.

AREA 1 - CENTRAL BAJA WEST,
AREA 2 - SOUTHWEST BAJA,
AREA 3 - GULF OF CALIFORNIA,
AREA 4 - MAZATLAN,
AREA 5 - PUERTO VALLARTA.

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PREPARED FOR
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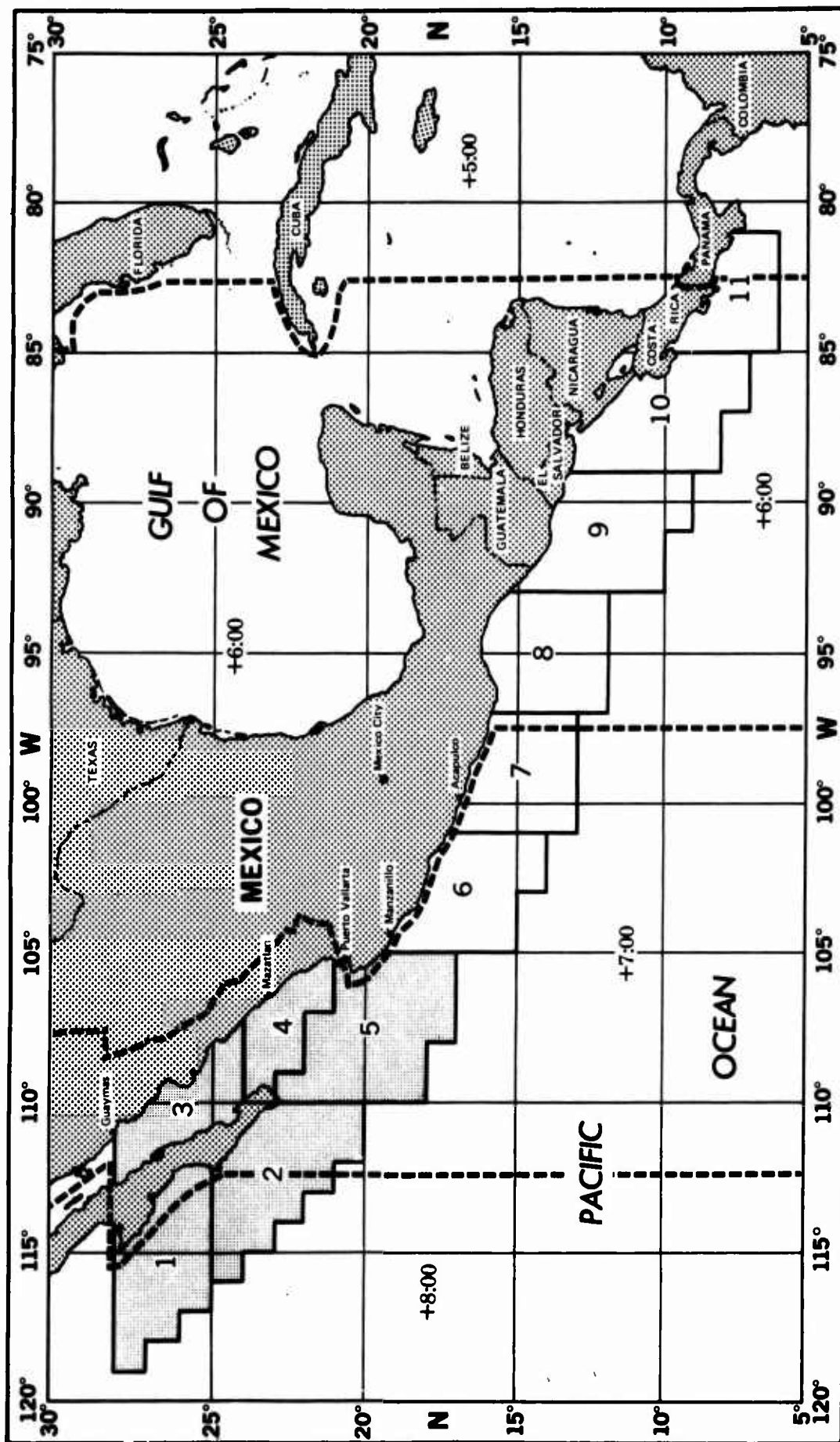
AREAS 1-5

VOL 1



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CENTRAL AMERICA COASTAL SSMO AREAS AND STANDARD TIME ZONES - WEST COAST

Shaded areas are included in this volume

A list of the area names and their central locations appears on the inside back cover

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SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO)

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WEST COAST

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SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (MONTHLY AND ANNUAL)

The SSMO series of coastal marine summaries is managed and produced by the Naval Oceanography Command Detachment, Asheville, N. C. for the Commander, Naval Oceanography Command. A list of published SSMO's is contained in the catalogue part of the "Guide to Standard Weather Summaries and Climatic Services", NAVAIR 50-1C-534.

The data summarized in the following tables were obtained from Tape Data Family 11 (TDF-11) Marine Surface Observations. The development and maintenance of TDF-11 was primarily funded by the Naval Oceanography Command. The source of these marine surface observations was punched cards of weather observations taken aboard vessels of varying registry. These observations were recorded on magnetic tape in a common format. Elements not in WMO code were converted to this code where possible. Where this was not possible, the original data were retained within the tape record as supplemental data. A very limited quality control was attempted as the punched cards were converted to taped records and, where possible, missing psychrometric data were computed.

Before the tables are prepared, extreme values of selected parameters are scrutinized so that obvious errors can be excluded. This method is necessarily subjective since the only available record of many observations is the punched card from which the tape records were prepared. Frequently there

Percentage frequencies are computed to hundredths and rounded to tenths. An asterisk (*) indicates percentage frequency > 0 and $< .05$. A value followed by a plus sign indicates greater than or equal to that value (8+ means 8 or greater). NH = low cloud amount (or middle cloud amount when low clouds are not present). The hours given in this publication are GMT.

The geographic position shown on the tables is the central position (centroid) of the observations within the area.

is no concrete evidence to prove or disprove the validity of questionable data.

Also, it should be noted that these data are based upon observations made by ships in passage. Such ships tend to avoid bad weather when possible, thus biasing the data file toward good weather samples.

Because the number of observations may vary from one table to the other, no absolute relationship exists between the tables. As an example, air temperature counts for Tables 13 and 17 may not be identical since only observations containing both air temperature and relative humidity were counted in Table 13 and only those with both temperature and air-sea temperature difference were counted in Table 17. No requirement for simultaneous recording of all elements was made.

The primary period of record is that period (extending back in time from the most recent data) during which eighty percent of the total number of observations were recorded. The overall period is the earliest to the latest observed data used in compiling the tables. Tables 18 and 19 were tabulated from selected decks only and the overall period indicates the period of record of this data source. The primary period for these tables is not shown.

THE TABLES

This value may fall outside irregular areas.

Annual values are computed on the basis of the sum of the monthlies divided by the number of months.

Tables 1 through 19 appear in numerical order for each month, with the annual tables appearing after the tables for December. Tables 20 and 21 appear at the end of the entire series, after the annual summary for Table 19. The series of summaries appear in numerical order by area number.

Table 1 - Percentage Frequency of Weather Occurrence by Wind Direction (8 pts.).

Table 2 - Percentage Frequency of Weather Occurrence by Hour (GMT).

Table 3 - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction (8 pts.).

Table 3A - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction.

Table 4 - Percentage Frequency of Wind Speed by Hour (GMT). This table includes mean speed by hour.

Table 5 - Percentage Frequency of Total Cloud Amount (Okas) by Wind Direction (8 pts.). This table includes mean cloud amount by wind direction.

Table 6 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH < 5/8 by Wind Direction (8 pts.).

Table 7 - Cumulative Percentage Frequency of Occurrence of Ceiling Height (feet, NH > 4/8) and Visibility (Nautical Miles).

Table 7A - Percentage Frequency of Low Cloud Amount (or Middle Cloud Amount if Low Clouds are not present). and Percentage Frequency of Sky Obscured. Amounts are in Oktas.

Table 8 - Percentage Frequency of Wind Direction (8 pts.) vs. Occurrence or Non-Occurrence of Precipitation at Observation Time with Varying Values of Visibility (Nautical Miles).

Table 9 - Percentage Frequency of Wind Direction (8 pts.) vs. Wind Speed (kts.) with Varying Values of Visibility (Nautical Miles).

Table 10 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH < 5/8 by Hour (GMT).

Table 11 - Percentage Frequency of Visibility (Nautical Miles) by Hour (GMT).

Table 12 - Cumulative Percentage Frequency of Ranges of Visibility (Nautical Miles) and Ceiling Height (feet, NH > 4/8) by Hour (GMT).

Table 13 - Percentage Frequency of Relative Humidity (%) by Air Temperature (° F.).

Table 14 - Percentage Frequency of Wind Direction (8 pts.) by Air Temperature (° F.).

Table 15 - Means, Extremes, and Percentiles of Air Temperature (° F.) by Hour (GMT). Extreme temperatures are the one maximum and one minimum value appearing in the marine data file. The Extremes may be unrepresentative due to sampling errors. Extrapolation from the percentile values usually gives a better estimate of expected extreme conditions.

Table 16 - Percentage Frequency of Relative Humidity (%) by Hour (GMT).

Table 17 - Percentage Frequency of Air Temperature (° F.) and the Occurrence of Fog vs. Air-Sea Temperature Difference (° F.).

Air-Sea Temperature Difference is:

Positive when the air is warmer than the sea surface; Negative when the air is cooler than the sea surface. In the table heading, the limits of the temperature ranges appear in a vertical arrangement along the top of the table.

Table 18 - Percentage Frequency of Surface Wind Speed (kts.) and Direction (8 pts.) vs. Sea Height (feet). Source deck 128 for which data are available from mid-1963 was used for these tables. This deck represents the latest and most complete homogeneous source of wave data available. Here, only sea waves generated by local winds in the vicinity of the observer are summarized.

Table 19 - Percentage Frequency of Wave Height (feet) vs. Wave Period (seconds). In this table when both sea and swell waves are present in an observation, the higher of the two is used. If both are the same height, the longer period is chosen. When only one of the wave groups is observed, either sea or swell, it is used in the summary. Swell waves are those generated by winds distant from the local area where the observation is taken.

Tables 1-19 appear together for each month and in the annual summary. The following two tables appear at the end of the entire series for each area.

Note: In this volume, percentage frequencies at specified hours of the day refer to percentages of observations taken at those hours, rather than percentages of observations taken at all hours. Data at adjacent hours are summarized with data at synoptic hours, i.e., data from 02 and 04 GMT are combined with data from 03 GMT.

Table 20 - Monthly and Annual Percentage Frequencies and Means of Sea Surface Temperature (° F.).

Table 21 - Monthly and Annual Sea Level Pressures (millibars). This table includes means by hour and for all hours, extreme values and percentile values.

CONTENTS

AREA	NAME	PAGES
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2	SOUTHWEST BAJA	80 - 158
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4	MAZATLAN	238 - 316
5	PUERTO VALLARTA	317 - 395

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DIRECTION AND WEATHER CODES

CONVERSION OF WIND AND WAVE DIRECTION TO 8 POINTS

A reduced bias system was employed in converting wind and wave directions to 8 points. This method attaches weighting values to observations which overlap two different 8 point sectors and treats them as "decimal observation counts." These decimal quantities are rounded to whole numbers for presentation as "observational counts" in the tables. Figures 1-4 below show the 8 point system with other systems superimposed.

Note: Because of rounding, sub-total sums of "observational counts" may not equal grand totals.



Fig 1. The 8 point direction system.

Fig 2. The 16 point direction system superimposed on the 8 point system.

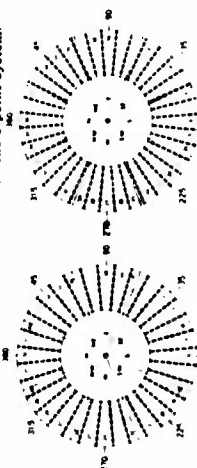


Fig 3. The 32 point direction system superimposed on the 8 point system.

Fig 4. The 36 point direction system superimposed on the 8 point system.

VISIBILITY (VV)		PRESENT WEATHER (1960 WMO CODE 4677)	
CODE	INTERPRETATION (NAUTICAL MILES)	CODE	INTERPRETATION
90-93	VV<1/2	58-59	FOG (WITHOUT PRECIPITATION)
94	1/2≤VV<1	60-65	FOG (WITHOUT PRECIPITATION) PAST HOUR
95	1≤VV<2	91-94	RAIN
96	2≤VV<5	(68-69, 95, 97 IF TEMP > 40° F)	
97	5≤VV<10	80-82, (83-84 IF TEMP > 40° F)	RAIN SHOWERS
98	10≤VV<25	50-55, 58-59	DRIZZLE
99	VV≥25	56-57	FREEZING PRECIPITATION
		66-67	
		70-75, 85-86 (68-69, 83-84, 95, 97 IF TEMP < 40° F)	SNOW
		76-79	OTHER FROZEN PRECIPITATION
		87-90	HAIL
		93-94	
		96, 99	
		13, 17	THUNDER
		19, 29	LIGHTNING
		95-99	THUNDERSTORM

NOTE: < means less than; > means greater than; ≤ means less than or equal to; ≥ means greater than or equal to.

NOTE: The following WMO codes were counted in two weather categories. 58-59 (rain and drizzle); 68-69 (rain and snow); 93-94 (rain and hail); 96 and 99 (hail and thunder/lightning/thunderstorm); 95 and 97 (snow and thunder/lightning/thunderstorm), or (rain and thunder/lightning/thunderstorm).

WAVE HEIGHT (from source decks 128 and 116)

RECORDED CODE (HALF METERS)	RANGE (METERS)	AS RECORDED IN TABULATION (FEET)	RECORDED CODE (HALF METERS)	RANGE (METERS)	AS RECORDED IN TABULATION (FEET)	RECORDED CODE (HALF METERS)	RANGE (METERS)	AS RECORDED IN TABULATION (FEET)
00	≤.25}	<1	12	>5.75 to 6.25}	20-22	30	>14.75 to 15.25	
01	>.25 to .75}	1-2	13	>6.25 to 6.75}		31	>15.25 to 15.75	
02	>.75 to 1.25}	3-4	14	>6.75 to 7.25}	23-25	32	>15.75 to 16.25	49-60
03	>1.25 to 1.75}	5-6	15	>7.25 to 7.75}		33	>16.25 to 16.75	
04	>1.75 to 2.25}	7	16	>7.75 to 8.25}		34	>16.75 to 17.25	
05	>2.25 to 2.75}	8-9	17	>8.25 to 8.75}	26-32	35	>17.25 to 17.75	
06	>2.75 to 3.25}	10-11	18	>8.75 to 9.25}		36	>17.75 to 18.25	
07	>3.25 to 3.75}	12	19	>9.25 to 9.75}				
08	>3.75 to 4.25}	13-16	20	>9.75 to 10.25}		37	>18.25 to 18.75	61-70
09	>4.25 to 4.75}		21	>10.25 to 10.75}	33-40	38	>18.75 to 19.25	
10	>4.75 to 5.25}	17-19	22	>10.75 to 11.25}		39	>19.25 to 19.75	
11	>5.25 to 5.75}		23	>11.25 to 11.75}		40	>19.75 to 20.25	
			24	>11.75 to 12.25}		41	>20.25 to 20.75	
			25	>12.25 to 12.75}		42	>20.75 to 21.25	
			26	>12.75 to 13.25}				
			27	>13.25 to 13.75}	41-48	43	>21.25 to 21.75	71-86
			28	>13.75 to 14.25}		44	>21.75 to 22.25	
			29	>14.25 to 14.75}		45	>22.25 to 22.75	
						46	>22.75 to 23.25	
						47	>23.25 to 23.75	
						48	>23.75 to 24.25	
						49	>24.25 to 24.75	
						50	>24.75 to 25.25	
						51	>25.25 to 25.75	
						52	>25.75 to 26.25	
						53-99	>26.25 to 49.75}	≥87
						Indeterminate=INDET		

JANUARY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1967-1974

AREA DC1 CENTRAL PLAIN WEST
76.44 114.36

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT CB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WFA
N	.3	.1	.1	.0	.0	.0	.0	.5	.5	.1	.6	.0	.0	.0	97.4
NE	.5	.2	1.2	.0	.0	.0	.0	1.9	.4	.2	.7	.0	.8	.0	96.0
E	2.1	.0	3.7	.0	.0	.0	.0	5.2	2.3	.0	.0	.0	.4	.0	92.1
SE	1.6	.9	1.3	.0	.0	.0	.0	3.3	1.7	.9	1.1	1.1	1.3	.0	90.6
S	4.6	1.6	2.6	.0	.0	.0	.0	7.8	2.4	.0	1.4	.6	1.4	.0	85.6
SW	5.2	2.2	2.2	.0	.0	.0	.0	8.2	3.2	.0	1.4	.0	.7	.0	86.0
W	1.0	1.5	1.0	.0	.0	.0	.0	3.4	1.7	.0	.8	.0	1.7	.0	92.5
NW	.2	.2	.3	.0	.0	.0	.0	.7	.3	.0	.9	.1	2.1	.1	95.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.3	.0	4.5	.0	88.8
TOT PCT	.6	.3	.6	.0	.0	.0	.0	1.4	.8	.1	1.1	.1	1.6	.1	95.1
TOT OBS:	6343														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT CB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WFA
0000	.6	.4	.5	.0	.0	.0	.0	1.4	.8	.0	1.1	.2	2.6	.1	93.8
0600	.5	.1	.6	.0	.0	.0	.0	1.1	.7	.2	.5	.0	1.0	.0	96.5
1200	.7	.3	.7	.0	.0	.0	.0	1.5	.6	.1	1.6	.1	1.1	.1	95.1
1800	.6	.6	.6	.0	.0	.0	.1	1.6	.6	.0	1.4	.1	1.9	.1	94.5
TOT PCT	.6	.3	.6	.0	.0	.0	.0	1.4	.8	.1	1.1	.1	1.6	.1	95.0
TOT OBS:	6461														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.7	14.0	12.7	.0	.0	.0		29.1	11.0		24.3	26.9	27.2	29.6	31.4	35.0	32.3	31.0
NE	.7	4.6	2.9	.3	.0	.0		8.5	10.2		6.3	6.6	6.4	5.5	8.4	11.3	12.0	13.6
E	.4	1.8	.6	.0	.0	.0		2.8	7.8		1.8	.3	2.5	2.4	3.4	2.2	3.8	2.0
SE	.4	1.7	.3	.0	.0	.0		1.8	7.4		1.7	2.8	2.2	.4	1.3	1.7	2.2	1.4
S	.4	1.1	.4	.0	.0	.0		1.9	7.9		.7	2.1	2.2	2.2	1.9	1.2	1.4	1.6
SW	.4	1.4	.4	.0	.0	.0		2.2	7.9		1.7	1.6	.3	.3	2.3	2.0	2.1	1.6
W	.9	4.3	1.5	.1	.0	.0		6.8	8.4		.4	9.8	6.4	.1	6.7	3.7	5.7	6.1
NW	1.9	21.2	18.2	1.3	.0	.0		42.6	11.2		49.8	47.8	47.0	40.9	39.1	40.3	35.9	36.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.3							4.3	.0		3.5	3.4	4.2	3.9	5.4	1.5	4.0	4.5
TOT OBS	746	3389	2537	181	3	0	6856		10.1		1536	145	1484	178	1457	201	1635	220
TOT PCT	10.9	49.4	37.0	2.6	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 4A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+						00	06	12	18
N	6.4	18.6	4.1	.1	.0			29.1	11.0		24.5	27.4	31.8	32.4
NE	2.5	4.9	1.1	.0	.0			8.5	10.2		6.3	6.3	6.4	12.2
E	1.3	1.4	.0	.0	.0			2.8	7.8		1.6	2.5	3.3	3.6
SE	1.0	.8	.1	.0	.0			1.8	7.4		1.8	2.1	1.3	2.1
S	1.0	.7	.2	.0	.0			1.9	7.9		1.9	2.1	1.8	1.9
SW	1.1	1.0	.1	.0	.0			2.2	7.9		2.2	2.0	2.4	2.0
W	2.9	3.3	.5	.0	.0			6.8	8.4		8.5	7.0	5.4	5.8
NW	9.0	27.2	6.2	.2	.0			42.6	11.2		49.6	46.4	39.2	36.0
VAR	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0
CALM	4.3							4.3	.0		3.5	4.2	5.3	4.0
TOT OBS	2025	3966	840	25	0	6856			10.1		1641	1662	1658	1855
TOT PCT	29.5	57.8	12.1	.4	.0			100.0			100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1957-1976
(COVER-ALL) 1961-1976

JANUARY

AREA DC1 CENTRAL BAJA NEST
26.4N 114.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				NP	MEAN	PCT	TOTAL
				11-21	22-33	34-47					
0000	3.5	6.6	49.2	36.7	2.9	.1	.0	10.3	100.0	1681	
0600	4.2	6.0	49.0	39.0	2.6	.1	.0	10.3	100.0	1667	
1200	5.3	5.7	50.4	36.0	2.1	.1	.0	9.9	100.0	1658	
1800	4.0	6.0	50.6	34.6	2.9	.0	.0	9.9	100.0	1855	
TOT	4.9	4.9	49.8	35.7	2.6	.1	.0	10.1	100.0	6856	
PCT	4.3	6.6	49.4	37.0	2.6	.0	.0	10.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL	MEAN
N	16.2	3.7	4.4	3.7	2.9	
NE	6.0	1.0	1.6	1.0	2.7	
E	1.6	.7	.4	.4	3.1	
SE	.7	.1	.4	.4	4.4	
S	.4	.2	.4	.8	5.4	
SW	.4	.3	.4	.7	5.0	
W	2.7	.9	2.0	1.2	4.2	
NW	14.7	6.7	17.7	4.1	3.7	
VAR	.0	.0	.0	.0	.0	
CALM	2.6	.4	.5	.4	2.9	
TOT OBS	2478	184	173	69	5045	
TOT PCT	44.7	13.6	24.2	12.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH 3478)
AND OCCURRENCE OF NH C/P BY WIND DIRECTION

PCT	100	300	600	1000	2000	3500	5000	6500	8000+	NH C/P	TOTAL
145	299	599	999	1999	3999	4999	6499	7999		ANY HGT	CBS
.1	.1	.1	1.1	2.1	1.6	.7	.2	.3	.3	23.3	
.2	.2	.2	.7	.4	.4	.7	.1	.1	.1	6.8	
.3	.3	.3	.1	.3	.2	.1	.0	.0	.0	2.1	
.4	.4	.4	.2	.3	.1	.1	.0	.0	.0	1.0	
.5	.5	.5	.2	.4	.1	.1	.0	.0	.0	1.0	
.6	.6	.6	.2	.4	.2	.1	.0	.0	.0	1.1	
.7	.7	.7	.1	.4	1.0	.4	.7	.0	.0	4.3	
.8	.8	.8	.3	1.9	3.5	2.3	1.4	.2	.2	31.9	
.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.1	.5	.7	.1	.0	.0	3.5	
TOT	32	9	35	227	446	277	157	31	32	3468	5045
PCT	.6	.2	.7	4.6	8.6	6.4	3.1	.6	.6	74.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH 3478) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>5000	>0
>5000	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3
>5000	1.6	1.9	1.9	1.9	1.9	1.9	1.9	1.9
>5000	4.6	5.0	5.0	5.0	5.0	5.0	5.0	5.0
>5000	9.3	10.3	10.3	10.3	10.3	10.3	10.4	10.4
>5000	16.9	18.9	18.9	18.9	18.9	18.9	19.0	19.0
>5000	20.4	23.0	23.3	23.3	23.3	23.3	23.3	23.3
>5000	21.0	23.7	24.0	24.0	24.0	24.0	24.0	24.0
>5000	21.0	23.9	24.2	24.2	24.2	24.2	24.2	24.2
>5000	21.3	24.2	24.7	24.7	24.7	24.7	24.8	24.8
TOTAL	1057	1245	1245	1273	1274	1275	1277	1276

TOTAL NUMBER OF OBS: 5145

PCT FREQ NH C/P: 75.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	9	10	TOTAL
40.1	10.9	9.7	7.8	6.0	5.4	6.6	5.0	7.0	.5	5403	

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1963-1979

JANUARY

APEX DC1 CENTRAL PAPA WEST
26.4N 114.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS													
TOT PCT													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SFD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS													
TOT PCT													

PERIOD: (PP) 1452-1474
(OVERALL) 1467-174

JANUARY

AREA 001 CENTRAL BAJA NEST
26.4N 116.7W

TABLE 10

PERCENT FREQUENCY OF CILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF AM C5/R BY HOUR

HOUR (GMT)	0-74	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL OBS	AM C5/R PER HGT	TOTAL OBS
0000Z	.5	.2	.5	4.3	7.1	5.6	3.4	1.0	.9	.8	24.3	75.7	1330
0600Z	.6	.1	.8	4.1	7.1	4.3	2.7	.4	.4	.5	21.0	79.0	1330
1201Z	1.0	.2	.6	4.0	9.6	4.4	2.3	.4	.7	.9	24.5	75.5	1213
1802Z	.5	.1	.7	4.6	9.4	6.5	3.5	.7	.4	.4	27.4	72.6	1442
TOT	74	9	37	229	449	274	160	33	32	34	1296	4027	5323
PCT	.6	.2	.7	4.3	8.4	5.2	3.0	.6	.6	.6	24.3	75.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000Z	.1	.4	.4	.7	8.0	90.3	1647
0600Z	.1	.2	.1	.5	7.1	92.0	1667
1201Z	.2	.3	.4	1.2	8.2	89.7	1643
1802Z	.4	.2	.2	1.0	7.1	91.1	1428
TOT	14	19	20	54	516	6159	6785
PCT	.2	.3	.3	.4	7.6	90.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CILING HGT (FEET, NM) BY HOUR

HOUR (GMT)	<150 C5/R	<600 C1	<1000 C5	<2000 ANC5+	AM C5/R AND 5+	TOTAL OBS
0000Z	.5	1.2	5.4	19.3	75.6	1202
0600Z	.6	1.7	6.0	15.3	78.7	1303
1201Z	1.0	2.2	7.2	18.5	74.3	1176
1802Z	.6	1.5	6.6	21.4	71.6	1384
TOT	34	45	328	966	3851	5145
PCT	.7	1.7	6.4	18.4	74.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.1	.0	.0	.0	.0	.0	9	.2
75/79	.0	.0	.1	.1	.2	.4	.0	.0	39	.7
70/74	.0	.0	.1	1.1	1.4	2.0	1.0	.3	345	6.6
65/69	.0	.1	.7	2.7	6.1	9.2	8.8	3.4	1639	31.2
60/64	.0	.1	.9	7.4	10.3	14.3	14.8	5.3	2549	48.6
55/59	.0	.0	.7	1.1	2.0	3.2	3.4	1.7	637	12.1
50/54	.0	.0	.1	.2	.1	.1	.1	.1	31	.6
TOTAL	2	14	114	461	1107	1519	1469	566	5249	100.0
PCT	.0	.3	2.2	8.8	21.0	28.9	28.0	10.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
75/79	.2	.1	.0	.0	.0	.0	.0	.1	.0	.1
70/74	2.0	.4	.3	.1	.2	.2	.5	2.5	.0	.4
65/69	8.5	2.7	.7	.0	.7	.8	2.2	13.0	.0	1.8
60/64	14.4	3.6	1.4	.7	.8	.8	3.2	21.6	.0	2.0
55/59	4.3	1.1	.3	.1	.2	.1	.6	5.1	.0	.4
50/54	.3	.1	.0	.0	.0	.0	.0	.2	.0	.0
TOTAL	29.7	8.1	2.8	1.7	1.9	2.0	6.5	42.7	.0	4.6

TABLE 15

MEANS, EXTREMS AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	83	77	72	65	59	56	50	67.0	1694
0600Z	80	71	68	63	57	54	50	67.7	1689
1201Z	78	69	68	62	57	54	50	67.0	1684
1802Z	81	74	71	64	58	54	48	64.7	1663
TOT	83	74	70	64	58	54	48	67.6	6630

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR	0-29	30-55	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)								OBS
0000Z	.0	15.7	24.4	28.9	23.2	7.8	72	1309
0600Z	.1	7.3	18.1	28.2	33.3	13.0	77	1357
1201Z	.1	8.1	17.2	27.2	32.5	15.0	77	1269
1802Z	.0	13.5	23.8	31.2	23.4	8.1	73	1409
TOT	2	598	1114	1545	1498	583	75	5344

JANUARY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1863-1979AREA CCI CENTRAL BAJA WEST
26.4N 114.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DGF F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SFA TEMPERATURE DIFFERENCE (DGF F)

AIR-SEA TMP DIF	45	49	53	57	61	65	69	73	77	81	101	% FOG	NO FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.1	.0		3	.0	.1
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0		5	.0	.1
14/16	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	18	.0	.3
11/13	.0	.0	.0	.0	.0	.1	.3	.2	.1	.0	39	.0	.6
9/10	.0	.0	.0	.0	.1	.2	.3	.2	.1	.0	43	.0	.7
7/8	.0	.0	.0	.0	.2	.4	.6	.2	.1	.0	90	.0	1.5
6	.0	.0	.0	.0	.2	.4	.3	.2	.0	.0	74	.0	1.2
5	.0	.0	.0	.0	.3	.7	.6	.1	.0	.0	109	.0	1.8
4	.0	.0	.0	.1	.5	1.3	.8	.1	.0	.0	162	.0	2.7
3	.0	.0	.0	.1	.7	1.6	.7	.0	.0	.0	187	.0	3.2
2	.0	.0	.0	.2	2.3	2.4	.9	.1	.0	.0	350	.1	5.8
1	.0	.0	.0	.4	2.4	2.7	.9	.0	.0	.0	369	.0	6.3
0	.0	.0	.1	1.2	5.5	4.0	1.1	.1	.0	.0	703	.2	11.8
-1	.0	.0	.1	1.5	4.3	3.1	.6	.0	.0	.0	568	.2	9.5
-2	.0	.0	.2	2.7	6.1	2.6	.4	.1	.0	.0	728	.1	12.2
-3	.0	.0	.2	2.4	4.9	2.7	.4	.0	.0	.0	618	.1	10.5
-4	.0	.0	.3	2.9	4.6	1.9	.3	.0	.0	.0	596	.1	9.8
-5	.0	.0	.2	2.1	3.3	1.6	.1	.0	.0	.0	429	.1	7.2
-6	.0	.0	.2	1.6	2.1	.8	.1	.0	.0	.0	277	.1	4.6
-7/-8	.0	.1	.5	1.9	2.3	.8	.0	.0	.0	.0	320	.1	5.4
-9/-10	.0	.1	.2	.9	.9	.1	.0	.0	.0	.0	125	.0	2.1
-11/-13	.0	.1	.1	.4	.3	.1	.0	.0	.0	.0	56	.0	.1
-14/-16	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	13	.0	.2
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	1	22	119	1080	2412	1632	491	74	9	5872	68	5804	
PCT	.0	.4	2.0	18.4	41.1	27.8	8.4	1.3	.5	.2	100.0	1.2	58.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SFA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	2.2	.1	.0	.0	.0	2.5	.1	.0	.0	.0	.0	.0	.7
1-2	.3	0.2	3.8	.0	.0	.0	12.3	.0	2.0	.4	.0	.0	.0	3.4
3-4	.2	4.6	5.4	.3	.0	.0	10.4	.1	.5	1.7	.0	.0	.0	2.3
5-6	.0	.9	4.5	.1	.0	.0	5.5	.0	.2	1.3	.2	.0	.0	1.6
7	.0	.3	.7	.1	.0	.0	1.1	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.1	.2	.1	.0	.0	.4	.0	.0	.0	.2	.0	.0	.2
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	16.2	14.8	.6	.0	.0	32.3	.2	3.2	4.5	.3	.0	.0	8.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.3	.2	.2	.0	.0	.0	.0	.1
1-2	.1	.4	.1	.0	.0	.0	.6	.0	.6	.0	.0	.0	.0	.6
3-4	.1	.2	.3	.0	.0	.0	.6	.0	.2	.2	.0	.0	.0	.4
5-6	.0	.0	.2	.0	.0	.0	.2	.0	.1	.1	.0	.0	.0	.2
7	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.9	.6	.0	.0	.0	1.7	.2	1.1	.3	.0	.0	.0	1.6

PERIOD: (OVER-ALL) 1963-1979

JANUARY

ARFA 001 CENTRAL RAJA HPST
26.4N 114.3M

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S						SW					
	1-3	4-10	11-21	22-33	34-47	48+	1-3	4-10	11-21	22-33	34-47	48+
<1	.1	.0	.1	.0	.0	.0	.1	.2	.0	.0	.0	.0
1-2	.2	.5	.1	.0	.0	.0	.2	.7	.1	.0	.0	.0
3-4	.0	.4	.3	.1	.0	.0	.0	.2	.0	.0	.0	.0
5-6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.7	.7	.1	.0	.0	.3	1.2	.4	.0	.0	1.9

HGT	W						NW						TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3	4-10	11-21	22-33	34-47	48+	
<1	.3	.5	.0	.0	.0	.0	.8	2.4	.7	.0	.0	.0	3.3
1-2	.2	2.4	.4	.0	.0	.0	.5	12.1	4.8	.0	.0	.0	17.4
3-4	.0	.5	.4	.0	.0	.0	.1	5.2	10.1	.3	.0	.0	15.8
5-6	.0	.3	.1	.0	.0	.0	.0	1.0	3.4	.4	.0	.0	4.7
7	.0	.1	.1	.1	.0	.0	.0	.4	1.4	.3	.0	.0	2.2
8-9	.0	.0	.0	.1	.0	.0	.0	.0	.2	.1	.0	.0	.3
10-11	.0	.0	.1	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.7	1.4	.1	.0	.0	1.4	21.0	20.3	1.1	.0	.0	44.0 97.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.7	6.4	.3	.0	.0	.0	11.4	
1-2	2.3	26.6	10.5	.0	.0	.0	39.4	
3-4	.5	11.4	18.9	.7	.0	.0	31.5	
5-6	.0	2.4	9.4	.7	.0	.0	12.5	
7	.0	.8	2.3	.5	.0	.0	3.6	
8-9	.0	.1	.5	.4	.0	.0	1.0	
10-11	.0	.0	.4	.1	.0	.0	.5	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	7.5	47.8	42.4	2.3	.0	.0	100.0	1320

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.7	18.6	18.7	7.5	2.1	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2422
6-7	.1	2.3	6.6	5.8	3.2	1.2	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	430
8-9	.0	.9	2.7	2.9	2.0	1.2	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	470
10-11	.0	.8	1.1	.9	.5	.4	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	189
12-13	.0	.0	.7	.5	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	88
>13	.0	.0	.0	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56
INDEX	5.0	2.0	1.3	.7	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	452
TOTAL	451	1132	1432	868	407	192	71	15	26	8	2	0	3	0	0	0	0	0	0	0	4607
PCT	9.8	24.6	31.1	18.8	8.8	4.2	1.5	.3	.6	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1891-1979

FEBRUARY

AREA DOI CENTRAL BAJA WEST
26.4N 114.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OR TIME	PCPN PAST HOUR	THDR INTC	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WFA	
N	.3	.1	.1	.0	.0	.0	.0	.6	.3	.0	.0	.1	1.8	.0	97.0	
NE	1.0	.0	.2	.0	.0	.0	.0	1.1	.2	.0	.0	.0	2.0	.0	96.7	
E	1.9	.0	.9	.0	.0	.0	.0	2.0	1.6	.0	3.2	.9	4.2	.0	87.3	
SE	1.3	.0	1.8	.0	.0	.0	.0	3.1	2.3	.0	2.4	1.0	1.3	.0	89.3	
S	4.0	.9	1.4	.0	.0	.0	.0	7.2	2.4	1.4	1.6	.0	1.4	.0	85.5	
SW	1.3	.0	1.1	.0	.0	.0	.0	3.2	1.1	.4	2.6	.0	.0	.0	91.5	
W	1.2	.0	.3	.0	.0	.0	.0	2.1	1.0	.2	1.2	.0	1.7	.0	93.6	
NW	.2	.1	.1	.0	.0	.0	.0	.4	.1	.0	.4	.1	2.1	.0	96.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	97.0	
CALM	.0	.0	1.1	.0	.0	.0	.0	1.1	.0	.0	2.7	.0	4.9	.0	90.2	
TOT PCT	.5	.1	.3	.0	.0	.0	.0	.9	.4	.1	1.0	.1	2.0	.0	95.4	
TOT OBS:	6234															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WFA
0000	.2	.5	.2	.0	.0	.0	.0	.8	.0	.1	.0	.0	2.0	.0	95.0
0600	.6	.1	.3	.0	.0	.0	.0	1.0	.4	.2	.7	.0	1.4	.0	96.3
1200	.8	.1	.3	.0	.0	.0	.0	1.1	.5	.1	.9	.1	1.9	.0	95.2
1800	.3	.1	.2	.0	.0	.0	.0	.6	.5	.0	1.4	.4	2.1	.0	95.0
TOT PCT	.5	.2	.3	.0	.0	.0	.0	.9	.5	.1	1.0	.1	2.0	.0	95.4
TOT OBS:	6327														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)								TOTAL GBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00	03				06	09	12	15	18	21	
N	1.0	10.9	13.1	1.0	.0	.0	26.0	12.0		20.2	24.2	23.9	17.2	29.5	10.0	10.2	32.1	
NE	.4	2.6	1.9	.2	.0	.0	5.1	10.6		2.6	5.4	3.5	6.1	5.6	7.9	8.1	4.8	
E	.3	1.1	.3	.0	.0	.0	1.8	7.5		1.1	.4	1.2	1.4	2.1	2.4	2.7	2.1	
SE	.3	1.0	.2	.0	.0	.0	1.5	6.8		1.3	.4	1.3	.6	1.3	1.7	2.0	2.7	
S	.3	1.2	.2	.0	.0	.0	1.7	7.0		1.4	.4	1.4	1.9	1.6	2.4	1.4	.9	
SW	.3	1.4	.4	.0	.0	.0	2.2	7.5		2.6	2.0	1.9	1.7	1.4	1.7	2.1	3.5	
W	.6	4.7	2.0	.1	.0	.0	6.4	9.2		8.7	8.2	7.7	8.7	6.1	6.2	5.4	5.0	
NW	1.6	21.6	26.6	2.0	.0	.0	51.9	12.2		59.6	57.7	56.2	54.8	48.7	45.8	44.7	46.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.0	.0	.0	.0	.0	.0	3.0	.0		2.1	4.4	2.4	4.6	3.5	1.9	3.5	2.6	
TOT OBS	529	2938	2983	224	3	0	4677	11.1		1532	174	1483	161	1417	209	1557	194	
TOT PCT	7.9	44.0	44.7	2.4	.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	4.4	16.7	4.8	.1	.0				20.5	23.2	29.6	10.4
NE	1.5	2.8	.8	.0	.0				2.9	3.8	5.9	7.7
E	.9	.8	.0	.0	.0				1.0	1.2	2.1	2.6
SE	.8	.7	.0	.0	.0				1.2	1.3	1.3	2.0
S	.9	.7	.1	.0	.0				1.7	1.5	2.0	1.7
SW	1.1	.9	.1	.0	.0				2.5	2.1	1.4	2.2
W	2.4	3.8	.7	.0	.0				8.4	7.8	6.1	5.3
NW	7.8	34.3	9.4	.4	.0				51.9	56.0	48.0	44.6
VAR	.0	.0	.0	.0	.0				.0	.0	.0	.0
CALM	3.0	.0	.0	.0	.0				2.1	4.4	2.4	4.6
TOT OBS	1579	4052	1054	38	0	6677	11.1		1656	1644	1626	1751
TOT PCT	22.9	60.7	15.8	.6	.0	100.0			100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1952-1979
(COVER-ALL) 1993-1979

FEBRUARY

AREA 001 CENTRAL BAJA WEST
76.4N 114.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			40+	MEAN	PCT FREQ	TOTAL OPS
				11-21	22-33	34-47				
0000	2.3	5.7	41.5	46.7	3.7	.1	.0	11.3	100.0	1656
0600	3.1	4.3	40.2	48.3	.0	.1	.0	11.7	100.0	1694
1200	3.3	3.8	46.1	44.1	2.8	.1	.0	11.0	100.0	1626
1800	3.4	5.9	48.0	36.9	2.9	.0	.0	10.5	100.0	1751
TOT	402	377	2938	2983	224	3	.0	11.1		6677
PCT	3.0	4.9	44.0	44.7	3.4	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 6	TOTAL	MEAN CLOUD COVER
N	14.9	4.0	5.3	2.0	2.6	
NE	3.4	.7	.3	.3	2.1	
E	.8	.2	.6	.2	3.7	
SE	.4	.2	.5	.4	4.7	
S	.4	.3	.4	.4	4.1	
SW	.6	.3	.8	.3	4.3	
W	2.8	1.1	1.8	1.2	3.8	
NW	26.5	8.4	12.0	5.1	3.0	
VAR	.0	.0	.0	.0	.0	
CALM	1.4	.1	.7	.4	3.2	
TOT OBS	2580	779	1156	535	5050	3.0
TOT PCT	51.1	15.4	22.9	10.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/P)
AND OCCURRENCE OF NM <5/P BY WIND DIRECTION

CEILING	100	150	300	600	1000	2000	3000	5000	6500	8000+	NM <5/P	TOTAL
149	299	599	999	1999	3999	4999	6499	7999			ANY HGT	OBS
N	.1	.0	.0	.9	1.4	1.1	.5	.2	.1	.2	21.3	
NE	.0	.0	.0	.1	.1	.2	.1	.0	.0	.0	4.6	
E	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	1.8	
SE	.0	.0	.0	.1	.2	.1	.0	.1	.0	.0	.9	
S	.1	.0	.0	.2	.3	.1	.1	.0	.0	.0	.9	
SW	.0	.0	.0	.2	.2	.2	.1	.0	.0	.0	1.4	
W	.1	.0	.0	.3	.8	.5	.2	.0	.0	.0	4.8	
NW	.2	.1	.3	1.7	4.4	2.5	1.1	.4	.3	.3	40.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	2.2	
TOT OBS	30	9	20	180	383	253	118	45	30	35	3947	5050
TOT PCT	.6	.2	.4	3.6	7.6	5.0	2.3	.9	.6	.7	78.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/P) AND VSBY (NM)

CEILING (FEET)	VSBY (NMP)							
	> OR >10	> OR >5	> OR >2	> OR >1	> OR >1/2	> OR >1/4	> OR >50YD	> OR >0
> OR >6500	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
> OR >5000	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
> OR >3500	4.2	4.6	4.6	4.6	4.6	4.6	4.6	4.6
> OR >2000	8.8	9.6	9.7	9.7	9.7	9.7	9.7	9.7
> OR >1000	15.5	17.1	17.3	17.3	17.3	17.3	17.3	17.3
> OR >600	18.6	20.5	20.6	20.6	20.6	20.6	20.6	20.6
> OR >300	18.9	20.9	21.2	21.2	21.2	21.2	21.2	21.2
> OR >150	19.0	21.0	21.4	21.4	21.4	21.4	21.4	21.4
> OR >0	19.3	21.4	21.8	21.8	21.8	21.8	21.8	21.8
TOTAL	992	1093	1111	1112	1113	1115	1117	1119

TOTAL NUMBER OF OPS: 5100

PCT FREQ NM <5/P: 78.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	9	TOTAL
NO.7	11.1	10.7	8.7	6.6	4.8	3.2	5.5	6.8	.4	5373

FEBRUARY

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1893-1979AREA 071 CENTRAL BAJA MEX
26.4N 114.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.2	.0	.0	.0	.0	.0	.1	.5	.0	.0	.8	
	TOT %	.2	.0	.0	.0	.0	.0	.1	.5	.0	.0	1.0	
5<10	PCP	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.3	
	NO PCP	1.4	.3	.2	.1	.2	.1	.4	3.7	.0	.3	6.8	
	TOT %	1.4	.3	.2	.2	.3	.2	.4	3.8	.0	.4	7.1	
10+	PCP	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.4	
	NO PCP	24.1	4.6	1.4	1.3	1.4	1.9	6.3	47.7	.0	2.6	91.2	
	TOT %	24.2	4.6	1.4	1.3	1.4	1.9	6.3	47.8	.0	2.6	91.6	
TOT OBS													6209
TOT PCT													
25.0 4.9 1.7 1.5 1.7 2.1 6.9 52.2 .0 3.0 100.0													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	4-10	.1	.0	.0	.0	.0	.0	.0	.2	.0	.0	.5	
	11-21	.1	.0	.0	.0	.0	.0	.0	.3	.0	.0	.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.2	.1	.0	.0	.0	.0	.1	.6	.0	.0	1.1	
5<10	0-3	.1	.0	.0	.0	.1	.0	.0	.1	.0	.3	.8	
	4-10	.6	.1	.2	.1	.2	.1	.3	1.4	.0	.3	3.0	
	11-21	.7	.2	.0	.0	.0	.0	.1	2.0	.0	.0	3.1	
	22+	.1	.0	.0	.0	.0	.0	.0	.3	.0	.0	.4	
	TOT %	1.5	.3	.2	.2	.3	.2	.4	3.8	.0	.3	7.2	
10+	0-3	.9	.4	.2	.2	.2	.3	.5	1.4	.0	2.4	6.7	
	4-10	10.1	2.4	1.0	.9	1.0	1.2	3.8	19.8	.0		40.1	
	11-21	12.3	1.7	.3	.2	.2	.4	1.9	24.4	.0		41.3	
	22+	.9	.2	.0	.0	.0	.0	.0	1.8	.0		3.0	
	TOT %	24.2	4.7	1.5	1.3	1.4	1.9	6.3	47.3	.0	2.6	91.2	
TOT OBS													6512
TOT PCT													
26.0 5.1 1.8 1.5 1.8 2.1 6.9 51.9 .0 2.9 100.0													

FEBRUARY

PERIOD: (PRIMARY) 1957-1974
(OVER-ALL) 1897-1979AREA COI CENTRAL BAJA WEST
26.44 114.36

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 145	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000	.3	.1	.5	3.6	6.9	4.9	2.3	1.0	.7	1.0	21.6	78.4	1359
0600	.7	.0	.2	2.4	6.3	4.1	1.6	1.1	.5	.5	17.5	82.5	1325
1200	.6	.3	.4	3.4	8.9	5.5	2.3	.6	.6	.5	23.8	76.2	1197
1800	.5	.3	.4	3.7	7.5	5.2	2.9	.7	.5	.9	22.6	77.4	1400
TOT	30	9	20	192	388	260	123	46	30	38	1126	4155	1281
PCT	.6	.2	.4	3.4	7.3	4.9	2.3	.9	.6	.7	21.3	74.7	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.2	.1	.1	.9	7.0	91.7	1631
0600	.2	.0	.2	.9	7.1	91.6	1638
1200	.3	.0	.2	1.6	8.9	89.0	1598
1800	.3	.1	.2	1.1	6.7	92.2	1738
TOT	17	3	11	73	481	6020	6605
PCT	.3	.0	.2	1.1	7.7	91.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING HGT (FEET, NM) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000	.3	1.0	5.7	17.1	77.7	1317
0600	.7	.9	4.3	14.3	81.4	1284
1200	.9	1.6	6.1	18.8	75.1	1154
1800	.5	1.3	5.9	18.1	75.9	1345
TOT	30	61	274	870	3956	5100
PCT	.6	1.2	5.4	17.1	77.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
60/84	.0	.0	.1	.0	.0	.0	.0	.0	7	.1
75/79	.0	.0	.1	.7	.3	.1	.0	.1	46	.9
70/74	.0	.0	.2	.4	1.8	1.2	.8	.3	260	4.9
65/69	.0	.1	.7	1.9	4.3	8.3	7.7	2.1	1302	24.6
60/64	.0	.0	.7	4.0	10.4	15.1	17.2	5.2	2779	52.5
55/59	.0	.0	.2	1.0	2.2	4.4	5.9	2.4	875	16.5
50/54	.0	.0	.0	.1	.1	.1	.0	.0	21	.4
TOTAL	1	8	101	414	1008	1566	1655	537	5290	100.0
PCT	.0	.2	1.9	7.8	19.1	29.6	31.3	10.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
60/84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75/79	.1	.0	.0	.0	.0	.0	.1	.5	.0	.0
70/74	.9	.3	.1	.1	.2	.1	.4	2.5	.0	.3
65/69	5.8	1.2	.4	.7	.5	.6	2.1	12.2	.0	1.0
60/64	14.5	2.7	.8	.6	.8	1.0	3.4	21.3	.0	1.3
55/59	4.8	1.0	.2	.1	.1	.2	.8	9.2	.0	.2
50/54	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0
TOTAL	26.2	5.2	1.7	1.5	1.6	2.0	6.8	52.1	.0	2.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	999	950	500	50	10	MIN	MEAN	TOTAL OBS
0000	84	77	73	64	59	56	51	64.9	1666
0600	82	69	67	62	57	54	49	61.9	1657
1200	74	68	66	61	56	54	52	61.1	1643
1800	82	74	71	64	58	56	50	64.2	1767
TOT	84	74	70	67	57	55	49	67.0	6733

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.1	12.4	21.7	31.8	27.3	6.9	74	1342		
0600	.0	5.3	14.1	27.5	39.6	13.5	79	1347		
1200	.0	9.1	14.4	27.8	35.0	13.6	78	1297		
1800	.0	12.2	25.5	31.0	23.7	7.6	73	1307		
TOT	1	526	1019	1588	1683	556	76	5373		

FEBRUARY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1893-1979AREA CCI CENTRAL BAJA WEST
26.4N 114.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DFG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DFG F)

AIR-SEA TMP DIF	49 F2	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	TOT FOG	h FOG	W0 FOG
20/22	.0	.0	.0	.0	.6	.0	.0	.0	.0	3	.0	.1
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.1	8	.0	.1
14/16	.0	.0	.0	.0	.0	.0	.1	.1	.0	20	.0	.3
11/13	.0	.0	.0	.1	.0	.2	.4	.2	.0	50	.0	.9
9/10	.0	.0	.0	.0	.3	.3	.2	.0	.0	54	.0	.9
7/8	.0	.0	.1	.2	.7	.8	.4	.0	.0	125	.0	2.2
6	.0	.0	.1	.3	.5	.6	.1	.0	.0	91	.0	1.6
5	.0	.0	.0	.7	1.3	.6	.1	.0	.0	162	.0	2.8
4	.0	.0	.1	1.2	1.6	.6	.1	.0	.0	208	.1	3.6
3	.0	.0	.2	1.0	2.1	.4	.1	.0	.0	217	.1	3.7
2	.0	.0	.5	2.9	3.0	.6	.1	.0	.0	408	.1	7.0
1	.0	.1	.6	3.4	2.3	.5	.0	.0	.0	394	.0	6.8
0	.0	.1	2.0	6.9	3.3	.4	.0	.0	.0	737	.1	12.7
-1	.0	.1	2.8	6.0	2.2	.7	.0	.0	.0	680	.2	11.3
-2	.0	.2	4.4	6.6	2.1	.1	.0	.0	.0	767	.2	13.1
-3	.0	.1	3.7	6.5	1.2	.0	.0	.0	.0	554	.1	9.5
-4	.0	.6	3.5	1.3	.7	.1	.0	.0	.0	472	.1	8.1
-5	.0	.6	2.3	2.4	.7	.0	.0	.0	.0	344	.0	5.9
-6	.0	.4	1.7	1.6	.2	.1	.0	.0	.0	232	.0	4.0
-7/-8	.0	.3	1.3	1.3	.2	.1	.0	.0	.0	180	.0	3.1
-9/-10	.0	.2	.4	.4	.1	.0	.0	.0	.0	56	.0	.9
-11/-13	.0	.1	.2	.1	.0	.0	.0	.0	.0	22	.0	.4
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	5	1341	1301	94	26	8				5770	54	5716
PCT	.1	2.2	23.9	42.8	22.5	5.7	1.6	.5	.1	100.0	.9	99.1

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.4	1.9	.1	.0	.0	.0	2.3	.5	.4	.0	.0	.0	.0	.9
1-2	.4	6.1	2.7	.0	.0	.0	9.2	.1	1.8	.7	.0	.0	.0	2.6
3-4	.1	3.7	6.6	.2	.0	.0	10.5	.0	.5	.7	.1	.0	.0	1.3
5-6	.0	.5	4.0	.6	.0	.0	5.1	.0	.1	.8	.1	.0	.0	1.0
7	.0	.2	1.0	.3	.0	.0	1.5	.0	.0	.2	.2	.0	.0	.3
8-9	.0	.0	.2	.0	.0	.0	.2	.0	.0	.1	.2	.0	.0	.2
10-11	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	12.3	14.6	1.1	.0	.0	28.9	.6	2.8	2.5	.5	.0	.0	6.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.2	.1	.0	.0	.0	.0	.3	.2	.1	.0	.0	.0	.0	.3
1-2	.0	.6	.0	.0	.0	.0	.6	.0	.4	.2	.0	.0	.0	.5
3-4	.0	.2	.2	.0	.0	.0	.5	.0	.3	.2	.0	.0	.0	.5
5-6	.0	.0	.2	.0	.0	.0	.2	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.9	.4	.0	.0	.0	1.4	.2	.8	.4	.0	.0	.0	1.4

PERIOD: (OVER-ALL) 1963-1979

FEBRUARY

AREA 001 CENTRAL BAJA WEST
26.4N 110.3W

TABLE 16 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S						SW					
	1-3	4-10	11-21	22-33	34-47	48+	1-3	4-10	11-21	22-33	34-47	48+
<1	.0	.1	.0	.0	.0	.0	.2	.2	.1	.0	.0	.0
1-2	.0	.2	.1	.0	.0	.0	.0	.3	.4	.0	.0	.0
3-4	.1	.1	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0
5-6	.0	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
8-9	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.5	.2	.0	.1	.0	.3	.5	.7	.1	.0	1.6

HGT	W						NW						TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3	4-10	11-21	22-33	34-47	48+	
<1	.2	.4	.0	.0	.0	.0	.5	1.6	.2	.0	.0	.0	2.3
1-2	.2	1.6	.4	.0	.0	.0	.6	10.2	6.1	.0	.0	.0	16.9
3-4	.0	.0	1.1	.0	.0	.0	.2	6.2	11.0	.2	.0	.0	17.5
5-6	.0	.1	.4	.0	.0	.0	.0	1.3	7.2	.5	.0	.0	9.0
7	.0	.0	.1	.0	.0	.0	.0	.2	2.2	.3	.0	.0	2.8
8-9	.0	.0	.2	.0	.0	.0	.0	.1	1.0	.5	.0	.0	1.5
10-11	.0	.0	.1	.1	.0	.0	.0	.0	.2	.1	.0	.0	.3
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.0	2.2	.1	.0	.0	1.3	19.8	27.9	1.5	.1	.0	50.5 96.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.9	4.7	.3	.0	.0	.0	.0	10.9
1-2	1.0	21.1	10.3	.0	.0	.0	.0	33.1
3-4	.3	11.7	19.8	.4	.0	.0	.0	32.2
5-6	.0	2.2	12.7	1.2	.0	.0	.0	16.2
7	.0	.4	3.5	.8	.0	.0	.0	4.8
8-9	.0	.1	1.2	.7	.1	.0	.0	2.0
10-11	.0	.0	.3	.1	.0	.0	.0	.5
12	.0	.0	.0	.0	.1	.0	.1	.1
13-14	.0	.0	.1	.0	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	8.0	40.4	40.3	3.2	.1	.0	100.0	1343

PERIOD: (OVER-ALL) 1965-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.0	15.7	17.8	8.4	2.7	1.2	.6	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2237	3
6-7	.1	1.9	8.2	9.0	3.3	1.8	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1160	5
8-9	.0	.6	1.7	2.6	1.2	.7	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	861	6
10-11	.0	.7	.7	.7	1.0	.7	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	198	6
12-13	.0	.0	.6	.4	.3	.3	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	87	6
>13	.0	.0	.0	.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	7
INDEX	3.2	1.5	1.3	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	330	2
TOTAL	289	919	1372	1004	466	250	131	35	34	7	3	1	0	0	0	0	0	0	0	4511	4
PCT	6.4	20.4	30.4	22.3	10.3	5.5	2.9	.8	.8	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1875-1979AREA 001 CENTRAL BAJA WEST
26.4N 114.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SMR	DRZL	FRZG PCPN	SNOW PCPN	OTHER FRZG PCPN	WAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG W0 PCPN	FOG W0 PCPN PAST HR	SPOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	.1	.1	.1	.0	.0	.0	.0	.3	.0	.1	.5	.0	2.1	.1	96.9
NE	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.7	.0	1.4	.0	97.8
E	.0	1.2	.0	.0	.0	.0	.0	1.2	.0	1.6	.0	.0	1.6	.0	95.5
SE	2.3	1.8	.5	.0	.0	.0	.0	4.5	2.7	.0	2.3	.0	1.8	.0	89.1
S	1.7	.8	.8	.0	.0	.0	.0	3.3	3.9	1.1	3.6	.0	1.1	.0	86.9
SW	.2	.4	.8	.0	.0	.0	.0	1.5	2.1	.0	3.3	.0	3.3	.0	89.8
W	.1	.1	.4	.0	.0	.0	.0	.6	1.4	.0	1.1	.0	2.0	.0	94.9
NW	.1	.1	.2	.0	.0	.0	.0	.4	.3	.0	.9	.0	2.1	.1	96.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.5	.0	.7	.0	.0	.0	.0	2.2	2.2	1.5	7.3	.7	4.4	.0	82.5
TOT PCT	.2	.1	.2	.0	.0	.0	.0	.5	.5	.1	1.1	.0	2.1	.1	95.6
TOT OBS:	7103														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SMR	DRZL	FRZG PCPN	SNOW PCPN	OTHER FRZG PCPN	WAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG W0 PCPN	FOG W0 PCPN PAST HR	SPOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00003	.1	.1	.2	.0	.0	.0	.0	.4	.5	.0	.5	.0	2.0	.2	95.7
06009	.2	.0	.2	.0	.0	.0	.0	.3	.7	.2	.9	.1	1.7	.1	98.5
12015	.1	.2	.3	.0	.0	.0	.0	.6	.5	.2	1.4	.0	1.7	.1	95.4
18021	.2	.3	.3	.0	.0	.0	.0	.7	.6	.0	1.5	.0	2.2	.1	94.9
TOT PCT	.2	.1	.3	.0	.0	.0	.0	.5	.5	.1	1.1	.0	2.1	.1	95.6
TOT OBS:	7185														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	.5	6.7	10.3	1.5	.0	.0		19.0	13.2	13.7	15.9	17.2	17.0	21.9	23.2	22.9	20.2	
NE	.2	1.3	1.0	.1	.0	.0		2.7	11.0	1.2	1.2	1.2	1.0	4.0	3.5	4.5	2.5	
E	.2	.5	.2	.0	.0	.0		.8	7.6	.8	.0	.7	1.0	.8	.6	1.1	.2	
SE	.2	.3	.2	.0	.0	.0		.8	8.7	.7	.8	.6	.3	.9	.7	.9	.8	
S	.3	1.0	.1	.0	.0	.0		1.3	6.8	1.5	2.0	1.2	1.3	1.2	1.4	1.5	1.4	
SW	.2	1.2	.3	.0	.0	.0		1.7	7.8	1.9	5.1	1.6	2.6	1.1	.6	2.2	1.9	
W	.6	5.4	3.1	.2	.0	.0		9.3	10.1	11.6	10.4	9.7	12.8	7.8	10.1	7.7	9.0	
NW	1.4	21.1	35.8	4.0	.0	.0		62.4	13.2	67.7	63.8	66.2	63.6	59.6	58.2	56.4	62.7	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.9							1.9	.0	.9	.8	1.6	.5	2.7	1.7	2.9	1.2	
TOT OBS	421	2875	3911	446	7	0	7660		12.4		1715	127	1716	199	1638	236	1787	242
TOT PCT	5.5	37.5	51.1	5.8	.1	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00 03	06 09	12 15	18 21	
N	2.6	11.5	4.6	.3	.0		19.4	13.2	13.9	17.2	22.1	22.6	
NE	.7	1.6	.4	.0	.0		2.7	11.0	1.2	1.2	3.9	4.3	
E	.4	.3	.0	.0	.0		.8	7.6	.7	.7	.8	1.0	
SE	.3	.3	.1	.0	.0		.8	8.7	.7	.6	.9	.9	
S	.7	.6	.0	.0	.0		1.3	6.8	1.5	1.2	1.2	1.5	
SW	.9	.7	.1	.0	.0		1.7	7.8	2.1	1.7	1.1	2.1	
W	2.4	6.0	.8	.0	.0		9.3	10.1	11.6	10.0	8.0	7.8	
NW	7.6	38.5	15.7	.6	.0		62.4	13.2	67.4	65.9	59.4	57.1	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	1.9						1.9	.0	.9	1.5	2.6	2.7	
TOT OBS	1346	4568	1675	71	0	7660		12.4		1442	1915	1876	2079
TOT PCT	17.6	59.6	21.9	.9	.0		100.0			100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1975-1979

MARCH

AREA 001 CENTRAL BAJA WEST
26.9N 114.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FRFQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000Z	.9	2.4	33.7	56.0	6.9	.2	.0	13.2	100.0	1842
0600Z	1.5	2.9	34.6	54.5	6.6	.0	.0	13.0	100.0	1915
1200Z	2.6	3.5	41.0	48.0	4.9	.1	.0	11.9	100.0	1874
1800Z	2.7	5.4	40.7	46.2	4.9	.1	.0	11.5	100.0	2029
TOT	14.7	27.4	287.5	391.1	54.8	.7	.0	12.4		7660
PCT	1.9	3.6	37.5	51.1	5.8	.1	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	C-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	10.3	3.0	4.2	2.2		3.0
NE	1.6	.1	.5	.3		2.6
E	.4	.2	.1	.1		3.2
SE	.2	.1	.2	.2		4.3
S	.3	.4	.4	.3		4.7
SW	.2	.2	.5	.4		4.1
W	3.7	1.5	2.4	1.7		3.9
NW	27.4	10.8	16.4	7.3		3.4
VAR	.0	.0	.0	.0		.0
CALM	.4	.2	.3	.6		3.9
TOT OBS	2493	954	1435	737	5720	3.4
TOT PCT	45.3	16.7	25.1	12.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, M) 34/8)
AND OCCURRENCE OF NH (5/8) BY WIND DIRECTION

WIND DIR	C-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER	CEILING HEIGHTS (FT, M)												NH (5/8) ANY HGT	TOTAL OBS
							000 149	150 299	300 599	600 999	1000 1999	2000 3999	3400 4999	5000 6499	6500 7999	8000+ ANY HGT				
N	10.3	3.0	4.2	2.2		3.0	.1	.1	.1	.4	1.7	1.0	.3	.1	.0	.1	15.4			
NE	1.6	.1	.5	.3		2.6	.0	.0	.0	.1	.1	.2	.1	.0	.0	.0	2.2			
E	.4	.2	.2	.1		3.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.7			
SE	.2	.1	.2	.2		4.3	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.5			
S	.3	.4	.4	.3		4.7	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.8			
SW	.2	.2	.5	.4		4.1	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	1.1			
W	3.7	1.5	2.4	1.7		3.9	.1	.0	.1	.7	1.1	.6	.2	.1	.0	.0	6.4			
NW	27.4	10.8	16.4	7.3		3.4	.5	.2	.5	3.3	6.0	4.0	1.2	.5	.3	.2	45.2			
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CALM	.4	.2	.3	.6		3.9	.1	.0	.2	.2	.1	.1	.0	.1	.0	.1	1.2			
TOT OBS	2493	954	1435	737	5720	3.4	46	20	42	307	554	350	109	46	26	21	4199	5720		
TOT PCT	45.3	16.7	25.1	12.9	100.0		.8	.3	.7	5.4	9.7	6.1	1.9	.8	.5	.4	73.4	100.0		

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH 34/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>CR >6500	.7	.9	.9	.9	.9	.9	.9	.9
>CR >5000	1.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7
>CR >3500	3.1	3.5	3.6	3.6	3.6	3.6	3.6	3.6
>CR >2000	6.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6
>CR >1000	17.1	19.7	19.3	19.3	19.3	19.3	19.3	19.3
>CR >600	21.6	24.4	24.6	24.7	24.7	24.7	24.7	24.7
>CR >400	22.0	25.1	25.3	25.4	25.4	25.4	25.4	25.4
>CR >350	22.3	25.4	25.6	25.7	25.8	25.8	25.8	25.8
>CR >300	22.6	26.0	26.3	26.4	26.5	26.5	26.6	26.6
TOTAL	1304	1498	1515	1522	1526	1527	1530	1572

TOTAL NUMBER OF OBS: 5762

PCT FREQ NH (5/8): 73.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
35.7	10.9	10.9	9.0	6.4	5.3	6.4	6.2	8.4	.4	6092

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1975-1976

MARCH

AREA 001 CENTRAL BAJA WEST
26.4N 114.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	1.3	.1	.0	.1	.2	.2	.0	.1	.0	.0	.1	.1
	TOT %	1.3	.1	.0	.1	.2	.2	.0	.1	.0	.0	.1	.1
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	17.5	2.6	.8	.7	1.0	1.4	8.5	56.4	.0	1.5	90.2	90.2
	TOT %	17.5	2.6	.8	.7	1.0	1.4	8.5	56.4	.0	1.5	90.2	90.2
TOT OBS													7040
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SFD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.1	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.1	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.4	.0	.0	.0	.2	.1	.3	2.3	.0	.0	.0	.0
	11-21	.7	.0	.0	.1	.0	.0	.2	2.7	.0	.0	.0	.0
	22+	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	1.3	.1	.1	.1	.2	.2	.6	5.7	.0	.0	.0	.0
10+	0-3	.5	.2	.1	.2	.2	.1	.5	1.1	.0	1.5	4.5	4.5
	4-10	6.0	1.2	.5	.3	.7	.9	5.0	18.2	.0	.0	27.8	27.8
	11-21	9.5	1.0	.2	.2	.1	.3	2.8	33.1	.0	.0	47.2	47.2
	22+	1.5	.1	.0	.0	.0	.0	.2	3.7	.0	.0	5.5	5.5
	TOT %	17.5	2.5	.8	.7	1.0	1.4	8.5	56.2	.0	1.5	90.1	90.1
TOT OBS													7040
TOT PCT													100.0

MARCH

PERIOD: (PRIMARY) 1952-1974
(OVER-ALL) 1875-1975

AREA 001 CENTRAL BAJA WEST
26.4N 114.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 509	600 999	1000 1999	2000 5999	3000 6999	4000 7999	ASCD 10000	ND000+	TOTAL OBS	NM ANY MGT	TOTAL OBS
00003	.3	.2	.3	3.1	7.6	5.7	2.1	.9	.6	.5	21.3	78.7	1497
06009	.9	.3	1.2	3.4	6.2	4.2	1.3	.3	.3	.3	18.2	81.8	1518
12015	1.2	.4	1.0	7.9	11.6	5.6	1.8	.6	.1	.3	20.5	69.5	1359
18021	.8	.4	.4	6.8	11.9	7.9	2.2	1.3	.7	.4	32.8	67.2	1603
TOT PCT	47 .8	20 .3	42 .7	314 5.3	556 9.3	371 5.9	110 1.8	47 .8	27 .5	27 .4	1536 25.7	4441 74.3	5977 100.0

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOURL (GMT)	<1/2 149	1/2<1 299	1<2 509	2<5 999	5<10 1999	10+ 5999	TOTAL OBS
00003	.0	.0	.1	.4	8.4	91.1	1793
06009	.2	.0	.2	.9	8.8	89.9	1895
12015	.4	.2	.2	1.2	9.9	89.1	1818
18021	.4	.2	.2	1.1	7.8	90.1	2007
TOT PCT	18 .2	8 .1	15 .2	70 .9	636 8.5	6766 90.1	7513 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING HGT (FEET, NM) >4/8, BY HOUR

HOURL (GMT)	<150 <5000	<600 CL	<1000 CL	1000+ AND 5+	NM AND 5+	TOTAL OBS
00003	.3	.8	4.3	17.7	78.0	1457
06009	1.0	2.5	6.4	12.9	80.7	1463
12015	1.3	2.8	11.4	20.6	67.9	1304
18021	.8	1.9	9.4	25.3	65.3	1538
TOT PCT	49 .9	114 2.0	449 7.8	1104 19.2	4209 73.0	5762 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
75/79	.0	.0	.1	.2	.2	.1	.0	.0	35	.6
70/74	.0	.0	.1	.6	1.2	.8	.4	.2	187	3.2
65/69	.0	.1	.4	1.4	4.2	6.0	4.5	1.4	1076	18.5
60/64	.0	.1	.4	2.0	9.7	16.4	18.9	5.9	3108	53.3
55/59	.0	.0	.1	.5	2.5	7.4	9.6	3.9	1398	24.0
50/54	.0	.0	.0	.0	.1	.1	.1	.1	21	.4
TOTAL	1	10	59	278	1041	1796	1972	670	5827	100.0
PCT	.0	.2	1.0	4.8	17.9	30.8	33.8	11.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75/79	.1	.0	.0	.0	.0	.0	.1	.3	.0	.0
70/74	.6	.1	.1	.0	.1	.1	.3	1.8	.0	.1
65/69	3.5	.7	.2	.2	.4	.4	2.1	10.4	.0	.5
60/64	9.7	1.2	.3	.3	.6	1.1	5.1	34.0	.0	1.0
55/59	5.3	.6	.2	.1	.1	.1	1.8	15.6	.0	.3
50/54	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0
TOTAL	19.3	2.6	.8	.7	1.2	1.7	9.4	62.3	.0	2.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	82	76	71	64	56	56	52	64.0	1835
06009	76	68	66	61	56	55	52	60.9	1932
12015	77	68	65	60	56	54	50	60.2	1688
18021	81	73	70	63	58	55	50	63.4	7035
TOT	82	73	69	62	57	55	50	62.1	7690

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.1	7.9	24.1	33.6	27.4	6.9	74	1434
06009	.0	2.1	11.4	27.1	42.0	17.3	81	1504
12015	.0	3.9	12.0	29.1	39.8	15.3	80	1424
18021	.0	9.7	27.3	33.2	26.8	6.9	74	1529
TOT	1	350	1047	1812	2001	682	77	5893

MARCH

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1975-1979

TABLE 17

AREA 001 CENTRAL BAJA WEST
26.4N 114.3WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	TOT	N FOG	N0 FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	.0	.0
14/16	.0	.0	.0	.0	.0	.1	.2	.1	.0	26	.0	.4
11/13	.0	.0	.0	.0	.2	.3	.3	.1	.0	56	.0	.9
9/10	.0	.0	.0	.1	.3	.5	.2	.0	.0	79	.0	1.2
7/8	.0	.0	.0	.2	.6	.8	.1	.0	.0	153	.0	2.0
6	.0	.0	.1	.3	1.0	.4	.1	.0	.0	123	.0	1.9
5	.0	.0	.1	.6	1.7	.4	.1	.0	.0	191	.0	2.9
4	.0	.0	.2	1.7	2.0	.3	.0	.0	.0	241	.1	4.2
3	.0	.0	.5	1.9	1.8	.3	.0	.0	.0	241	.0	4.4
2	.0	.0	1.0	4.3	2.1	.4	.0	.0	.0	506	.0	7.7
1	.0	.0	1.5	4.3	1.8	.2	.0	.0	.0	517	.1	7.8
0	.0	.2	3.9	7.1	1.9	.2	.0	.0	.0	881	.1	13.3
-1	.0	.3	4.6	5.5	1.2	.1	.0	.0	.0	765	.2	11.5
-2	.0	.5	5.9	5.4	.9	.0	.0	.0	.0	832	.2	12.5
-3	.0	.5	4.1	3.6	.6	.1	.0	.0	.0	590	.1	8.9
-4	.0	.9	4.2	2.4	.3	.0	.0	.0	.0	509	.1	7.6
-5	.0	.5	2.7	1.7	.1	.0	.0	.0	.0	329	.0	5.0
-6	.0	.4	1.6	.9	.0	.0	.0	.0	.0	199	.0	3.0
-7/-8	.0	.4	1.5	.7	.1	.0	.0	.0	.0	175	.0	2.6
-9/-10	.0	.1	.4	.2	.0	.0	.0	.0	.0	87	.0	.7
-11/-13	.0	.0	.1	.0	.0	.0	.0	.0	.0	13	.0	.2
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
-20/-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	8	260	2171	1108	274	66	14	1	6563	68	6495	
PCT	.1	4.0	32.5	41.2	16.9	4.2	1.0	.2	100.0	1.0	99.0	

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	NB*	PCT	1-3	4-10	11-21	22-33	34-47	NB*	PCT
CL	.3	.4	.1	.1	.0	.0	1.2	.0	.4	.1	.0	.0	.0	.5
1-2	.1	3.7	1.8	.0	.0	.0	5.6	.1	.5	.3	.0	.0	.0	.9
3-4	.0	2.2	4.6	.2	.0	.0	7.0	.1	.5	.5	.1	.0	.0	1.2
5-6	.0	.3	3.3	.5	.0	.0	4.7	.0	.2	.3	.0	.0	.0	.5
7	.0	.1	1.0	.5	.0	.0	1.6	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.2	.3	.1	.0	.5	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	7.1	11.1	1.7	.1	.0	20.3	.2	1.6	1.4	.2	.0	.0	3.4

HGT	1-3	4-10	11-21	22-33	34-47	NB*	PCT	1-3	4-10	11-21	22-33	34-47	NB*	PCT
CL	.0	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.2
1-2	.1	.2	.1	.0	.0	.0	.4	.0	.1	.1	.5	.0	.0	.2
3-4	.0	.1	.1	.0	.0	.0	.2	.0	.1	.2	.0	.0	.0	.3
5-6	.0	.1	.2	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
7	.0	.1	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.7	.3	.0	.0	.0	1.1	.1	.3	.4	.0	.0	.0	.9

PERIOD: (OVER-ALL) 1963-1979

MARCH
TABLE 18 (CONT)

ARFA 001 CENTRAL BAJA MFST
26.4N 114.3W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-7	8-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.4	.1	.2	.0	.0	.0	.0	.3
1-2	.1	.3	.0	.0	.0	.0	.3	.2	.5	.7	.0	.0	.0	.9
3-4	.0	.3	.0	.0	.0	.0	.3	.0	.4	.2	.0	.0	.0	.6
5-6	.0	.1	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.0	.0	.0	.0	.0	1.1	.2	1.2	.5	.0	.0	.0	1.9

HGT	1-7	8-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.1	1.1	.0	.0	.0	.0	1.3	.4	2.0	.2	.0	.0	.0	.6	2.5
1-2	.1	2.9	1.2	.0	.0	.0	4.4	.3	9.0	6.2	.0	.0	.0	15.4	
3-4	.1	1.6	1.0	.0	.0	.0	2.7	.4	6.4	12.7	.9	.0	.0	20.3	
5-6	.0	.2	.0	.0	.0	.0	1.0	.2	1.4	11.4	.7	.0	.0	13.7	
7	.0	.1	.0	.0	.0	.0	.2	.0	.0	3.1	1.8	.0	.0	4.9	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.8	.1	.0	1.9	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.8	.0	.0	1.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.2	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.6	5.8	3.7	.0	.0	.0	9.7	1.2	18.9	34.9	5.0	.1	.0	60.1	98.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.7	5.2	.3	.1	.0	.0	8.3	065
1-2	1.3	17.1	5.8	.0	.0	.0	28.1	
3-4	.5	11.8	19.1	1.2	.0	.0	32.6	
5-6	.2	2.3	16.2	1.2	.0	.0	19.9	
7	.0	.3	4.5	2.3	.0	.0	7.1	
8-9	.0	.0	1.3	1.1	.1	.0	2.5	
10-11	.0	.0	.3	.0	.0	.0	1.2	
12	.0	.0	.1	.0	.1	.0	.7	
13-16	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.7	36.7	61.6	6.8	.2	.0	100.0	1449

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.1	12.7	16.5	10.5	3.7	1.6	.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2572
6-7	.1	1.5	7.2	8.7	4.9	2.3	1.0	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1385
8-9	.0	.5	1.8	3.2	2.7	1.6	.9	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	605
10-11	.0	.3	.6	.7	.8	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	197
12-13	.0	.0	.5	.4	.2	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	90
>13	.0	.0	.0	.4	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49
INDET	2.4	1.5	1.3	.7	.6	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	372
TOTAL	274	866	1471	1298	692	348	172	71	55	16	5	2	0	0	0	0	0	0	0	0	5270
PCT	5.2	16.4	27.9	24.6	13.1	6.6	3.3	1.3	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

APRIL

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1870-1979AREA 001 CENTRAL BAJA MEX
26.4N 114.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OF TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.1	.0	.0	.0	.0	.0	.1	.2	.0	1.1	.1	1.2	.1	95.2
NE	1.6	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	3.7	.0	94.7
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	2.2	3.9	.0	87.6
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	.0	6.4	.0	88.8
S	.0	2.0	.0	.0	.0	.0	.0	2.0	.0	.0	4.5	.0	4.9	2.0	85.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	3.5	.0	9.6	.0	85.9
W	.1	.3	.2	.0	.0	.0	.0	.0	.1	.0	2.2	.2	4.4	.0	92.0
NW	.1	.0	.1	.0	.0	.0	.0	.2	.1	.1	1.1	.1	4.5	.1	94.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0	.0	1.0	.0	.0	.0	.0	1.0	.0	.0	6.8	1.0	6.4	.0	84.5
TOT PCT	.1	.1	.1	.0	.0	.0	.0	.2	.1	.1	1.4	.1	4.4	.1	93.6
TOT OBS:	7283														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OF TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.1	.0	.1	.0	.0	.0	.0	.1	.1	.0	1.1	.0	6.1	.1	92.5
0600P	.1	.0	.1	.0	.0	.0	.0	.2	.3	.0	2.1	.0	3.6	.1	94.7
12015	.1	.1	.2	.0	.0	.0	.0	.3	.0	.1	1.6	.3	1.4	.1	94.2
18021	.1	.2	.0	.0	.0	.0	.0	.3	.1	.0	1.4	.2	4.9	.1	92.7
TOT PCT	.1	.1	.1	.0	.0	.0	.0	.2	.1	.1	1.4	.1	4.5	.1	93.5
TOT OBS:	7348														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.4	4.8	8.8	1.0	.0	.0		14.9	13.5	10.3	4.3	14.2	17.0	16.0	19.6	18.9	16.1	
NE	.1	.5	.2	.0	.0	.0		.9	9.1	.5	.0	.4	.0	1.3	.1	1.4	.6	
E	.3	.2	.1	.0	.0	.0		.6	6.3	.3	.8	.4	.0	.4	.8	1.1	.4	
SE	.1	.2	.0	.0	.0	.0		.4	6.3	.2	.0	.5	.0	.7	.0	.5	.0	
S	.2	.5	.0	.0	.0	.0		.7	6.0	.3	.8	.9	.0	.0	.7	.4	.5	
SW	.2	1.0	.3	.0	.0	.0		1.5	8.1	1.6	1.7	1.0	1.3	1.7	1.6	1.4	1.7	
W	.4	4.9	3.5	.3	.0	.0		9.5	10.4	12.6	8.5	8.4	10.2	9.4	10.8	7.3	8.0	
NW	1.1	21.8	42.7	4.5	.0	.0		70.2	13.6	73.6	78.2	73.1	77.2	67.1	65.5	66.9	77.2	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.4							1.4	.0	.7	1.7	.9	1.2	2.1	.9	2.3	.5	
TOT OBS	350	2629	4325	447	6	0	7757		12.9	1688	118	1764	167	1743	216	1852	269	
TOT PCT	4.5	33.9	55.8	5.8	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 1A

WIND DIR	0-6	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	41+				00	03	06	18
N	1.7	8.9	4.0	.2	.0		14.9	13.5	10.2	13.9	16.4	18.6
NE	.3	.5	.1	.0	.0		.9	9.1	.5	.3	1.1	1.4
E	.4	.2	.0	.0	.0		.6	6.3	.3	.3	.8	1.0
SE	.3	.1	.0	.0	.0		.4	6.3	.2	.4	.6	.4
S	.4	.2	.0	.0	.0		.7	6.0	.3	.7	.9	.7
SW	.6	.8	.1	.0	.0		1.5	8.1	1.6	1.1	1.7	1.4
W	2.4	5.9	1.1	.1	.0		9.5	10.4	12.3	8.9	9.6	7.4
NW	8.6	44.4	18.7	.5	.0		70.2	13.6	73.9	73.4	66.9	67.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.4						1.4	.0	.7	.9	1.9	2.1
TOT OBS	1105	4731	1855	66	0	7757		12.9	1806	1931	1959	2061
TOT PCT	14.2	61.0	23.9	.9	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1953-1974
(COVER-ALL) 1977-1979AREA DOI CENTRAL OAJA WEST
26.4N 119.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)					N/A	MEAN	PCT FREQ	TOTAL OPS
		1-3	4-10	11-21	22-33	34-47				
0000	.7	2.3	27.2	61.9	7.7	.1	.C	13.8	100.0	1806
0600	.9	2.9	32.9	56.2	6.9	.1	.C	13.4	100.0	1931
1200	1.9	3.0	37.7	52.7	4.6	.1	.C	12.2	100.0	1959
1800	2.1	4.0	37.0	52.8	4.1	.0	.C	12.1	100.0	2061
TOT	117	238	2629	4325	447	6	.C	12.9		7757
PCT	1.4	3.1	33.9	55.0	5.6	.1	.C		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OPS	MEAN CLOUD COVER
N	7.9	2.1	1.9	2.7	14.6	3.4
NE	.1	.2	.2	.1	3.7	3.7
E	.7	.1	.1	.1	3.0	3.0
SE	.1	.1	.1	.1	3.9	3.9
S	.2	.0	.2	.2	4.9	4.9
SW	.4	.7	.1	.4	4.2	4.2
W	4.1	1.4	7.1	1.9	3.7	3.7
NW	31.9	10.1	16.7	9.1	3.9	3.9
VAR	.0	.0	.0	.0	.0	.0
CALM	.7	.7	.1	.3	1.7	1.7
TOT OPS	2762	846	1388	839	5835	3.4
TOT PCT	47.9	14.6	23.8	14.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM 34/8)
AND OCCURRENCE OF NH C/P BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10 OBSCD	TOTAL OBS	MEAN CLOUD COVER	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH C/P ANY MET	TOTAL OBS
							149	299	599	999	1999	3499	6499	7999				
N	7.9	2.1	1.9	2.7	14.6	3.4	.1	.0	.2	.9	1.6	1.0	.4	.1	.1	.1	11.2	
NE	.1	.2	.2	.1	3.7	3.7	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.6	
E	.7	.1	.1	.1	3.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
SE	.1	.1	.1	.1	3.9	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
S	.2	.0	.2	.2	4.9	4.9	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.3	
SW	.4	.7	.1	.4	4.2	4.2	.0	.0	.1	.2	.1	.0	.0	.0	.0	.0	.8	
W	4.1	1.4	7.1	1.9	3.7	3.7	.1	.0	.3	.4	1.1	.6	.3	.0	.0	.1	6.6	
NW	31.9	10.1	16.7	9.1	3.9	3.9	.6	.2	.9	3.4	6.8	3.5	1.7	.6	.1	.3	51.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.7	.7	.1	.3	1.7	1.7	.1	.0	.0	.1	.2	.0	.0	.0	.0	.0	1.0	
TOT OPS	2762	846	1388	839	5835	3.4	57	14	83	297	595	113	141	41	29	24	4245	
TOT PCT	47.9	14.6	23.8	14.4	100.0		1.0	.2	1.4	5.1	10.0	5.4	2.4	.7	.5	.8	72.8	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM 34/8) AND VSBY (NMP)

CEILING (FEET)	≥ OR >10	≥ OR >5	≥ OR >2	VSBY (NMP)					≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >500	≥ OR >0
				≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >500	≥ OR >0					
≥ OR >6500	.9	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
≥ OR >5000	1.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ OR >3500	3.5	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
≥ OR >2000	7.7	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
≥ OR >1000	16.3	19.2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
≥ OR >600	19.4	24.1	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
≥ OR >400	20.6	25.3	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
≥ OR >150	26.8	25.6	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
≥ OR >0	71.1	26.0	26.6	26.7	26.8	26.9	27.1	27.1	27.1	27.1	27.1	27.1	27.1
TOTAL	12.76	15.79	15.65	15.69	15.73	15.78	15.92	15.96					

TOTAL NUMBER OF OPS: 5875

PCT FREQ NH C/P: 72.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

C	1	2	3	4	5	6	7	8	OBSCT	TOTAL OPS
36.2	11.4	9.9	7.9	6.3	4.7	5.4	6.9	10.7	.6	6209

APRIL

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1970-1979

AREA 001 CENTRAL PALM WEST
26.44 114.34

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS													7268
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS													7555
TOT PCT													100.0

APRIL

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1970-1979AREA 001 CENTRAL BAJA MEX
26.4N 114.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	400	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000Z	.5	.2	1.0	3.5	6.6	4.4	2.2	.5	.5	.7	20.1	79.9	1464
0600Z	.9	.2	.9	3.2	6.9	3.4	1.8	.5	.3	.3	18.5	81.5	1519
1201Z	1.2	.3	2.3	7.1	13.0	6.5	2.7	.7	.4	.5	34.8	65.2	1469
1802Z	1.1	.3	1.3	5.9	12.0	6.3	2.6	1.0	.7	.5	31.7	68.3	1633
TOT	5.7	15	84	300	589	314	142	44	29	30	1604	4481	6085
PCT	.9	.2	1.4	4.9	9.7	5.2	2.3	.7	.5	.5	26.4	73.6	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000Z	.1	.2	.2	1.1	10.3	88.1	1764
0600Z	.3	.1	.1	.9	11.7	86.9	1914
1201Z	.8	.2	.2	1.6	13.4	83.7	1907
1802Z	.6	.3	.2	1.6	11.3	85.9	2037
TOT	36	14	14	102	891	6565	7622
PCT	.5	.2	.2	1.3	11.7	86.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING HGT (FEET, NM) >4/8, BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <1	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000Z	.5	1.8	6.3	15.0	78.8	1423
0600Z	.9	2.0	5.9	13.6	80.5	1467
1201Z	1.2	4.0	12.6	24.4	63.0	1401
1802Z	1.1	3.0	9.5	23.5	67.0	1584
TOT	55	158	502	1127	4246	5875
PCT	.9	2.7	8.5	19.2	72.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	C-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
75/79	.0	.0	.0	.1	.1	.1	.0	.0	25	.4
70/74	.0	.0	.1	.4	1.1	1.2	.4	.2	207	3.4
65/69	.0	.0	.2	1.0	3.4	5.9	4.9	1.6	1054	17.2
60/64	.0	.0	.1	.8	6.6	17.1	22.6	7.6	3360	54.8
55/59	.0	.0	.0	.2	1.5	6.0	10.7	9.6	1467	23.9
50/54	.0	.0	.0	.0	.0	.1	.1	.1	18	.3
TOTAL	0	6	28	157	784	1859	2370	929	6133	100.0
PCT	.0	.1	.5	2.6	12.8	30.3	38.6	15.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.1	.0	.0	.0	.0	.0	.0	.0	.3	.0
.6	.0	.1	.0	.1	.1	.3	2.1	.0	.1
2.3	.2	.2	.0	.1	.4	2.1	11.5	.0	.3
8.2	.4	.1	.3	.4	.8	5.2	38.4	.0	.9
4.1	.2	.1	.1	.1	.1	1.5	17.5	.0	.2
.1	.0	.0	.0	.0	.0	.0	.2	.0	.0
15.3	.9	.6	.4	.7	1.4	9.2	70.2	.0	1.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	60	75	71	64	59	56	52	64.2	1799
0600Z	79	67	65	61	57	55	50	60.7	1936
1201Z	73	67	64	60	56	54	50	60.0	1971
1802Z	79	74	70	63	58	56	50	63.7	2050
TOT	80	73	69	62	57	55	50	62.1	7756

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-49	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	4.3	18.5	35.0	32.1	10.0	77	1456
0600Z	.0	1.2	7.0	23.3	47.9	20.7	63	1582
1201Z	.0	1.5	6.2	26.7	44.7	20.9	83	1550
1802Z	.0	5.4	19.6	36.4	29.7	8.9	76	1604
TOT	0	191	790	1877	2394	940	80	6192

APRIL

PERIOD: (PPHARY) 1953-1979
(OVER-ALL) 1870-1979AREA 001 CENTRAL BAJA WEST
26.4N 114.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	49	51	57	61	65	69	73	77	TOT	N	NO
	52	56	60	64	68	72	76	80		FOR	FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	5	.0	.1
14/16	.0	.0	.0	.0	.0	.0	.1	.1	20	.0	.3
11/12	.0	.0	.0	.0	.1	.4	.4	.0	71	.0	1.0
9/10	.0	.0	.0	.1	.6	.6	.3	.0	102	.0	1.5
7/8	.0	.0	.1	.3	1.6	1.0	.1	.0	207	.0	3.1
6	.0	.0	.1	.6	1.1	.5	.1	.0	159	.1	2.3
5	.0	.0	.2	1.2	1.8	.4	.0	.0	245	.0	3.6
4	.0	.0	.3	2.4	2.0	.3	.0	.0	342	.0	5.1
3	.0	.0	.4	2.4	2.0	.1	.0	.0	335	.0	5.0
2	.0	.0	.4	4.4	1.8	.2	.0	.0	524	.0	7.8
1	.0	.1	1.9	4.9	1.2	.0	.0	.0	547	.1	8.1
0	.0	.1	4.4	8.2	1.4	.0	.0	.0	950	.2	14.0
-1	.0	.3	4.4	5.5	.0	.0	.0	.0	764	.2	11.2
-2	.0	.4	5.6	5.7	.6	.0	.0	.0	819	.2	12.0
-3	.0	.3	4.2	3.0	.2	.0	.0	.0	518	.2	7.6
-4	.0	.6	4.0	2.0	.1	.0	.0	.0	451	.1	6.6
-5	.0	.3	3.0	1.1	.1	.0	.0	.0	297	.1	4.3
-6	.0	.5	1.3	.4	.0	.0	.0	.0	148	.1	2.1
-7/-8	.0	.3	1.0	.3	.0	.0	.0	.0	117	.0	1.7
-9/-10	.0	.2	.3	.1	.0	.0	.0	.0	37	.0	.5
-11/-13	.0	.0	.1	.1	.0	.0	.0	.0	23	.0	.3
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
TOTAL	8	211	221	2069	263	10	6649	97	6592		
PCT	.1	3.2	33.1	42.9	15.5	3.9	1.1	.1	100.0	1.0	98.5

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1	.1	.4	.0	.0	.0	.0	.4	.0	.1	.0	.0	.0	.0	.1
1-2	.1	2.4	2.2	.0	.0	.0	4.7	.0	.3	.0	.0	.0	.0	.3
3-4	.0	2.0	1.7	.1	.0	.0	5.8	.0	.1	.2	.1	.0	.0	.3
5-6	.0	.2	3.1	.4	.1	.0	3.7	.0	.0	.1	.0	.0	.0	.1
7	.0	.1	1.6	.5	.0	.0	2.5	.0	.0	.1	.1	.0	.0	.2
8-9	.0	.1	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	5.1	11.3	1.6	.1	.0	18.3	.0	.5	.3	.1	.0	.0	.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.2

PERIOD: (OVER-ALL) 1963-1979

APRIL

ARFA 001 CENTRAL BAJA WPST
26.44 114.3M

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-7	8-10	11-21	22-33	34-47	48+	PCT	1-7	8-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.0	.0	.2	.0	.1	.0	.0	.0	.0	.1
1-2	.1	.2	.0	.0	.0	.0	.3	.1	.3	.2	.0	.0	.0	.6
3-4	.0	.4	.0	.0	.0	.0	.2	.0	.1	.0	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.6	.0	.0	.0	.0	.7	.1	.5	.2	.0	.0	.0	.8

HGT	1-7	8-10	11-21	22-33	34-47	48+	PCT	1-7	8-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	1.6	.0	.0	.0	.0	1.7	.3	1.7	.1	.0	.0	.0	2.1	
1-2	.3	1.7	.7	.0	.0	.0	2.7	.4	7.6	7.1	.0	.0	.0	15.1	
3-4	.2	1.3	1.1	.0	.0	.0	2.6	.3	7.1	16.5	.6	.0	.0	24.5	
5-6	.0	.4	.4	.1	.0	.0	1.2	.0	1.4	12.3	1.4	.0	.0	15.2	
7	.0	.1	.2	.0	.0	.0	.2	.0	.2	6.0	.9	.0	.0	7.0	
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.1	1.2	.8	.0	.0	2.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	1.4	
12	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.3	.1	.0	.5	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.2	6.4	2.9	.1	.0	.0	8.5	1.0	18.1	43.8	5.1	.1	.0	68.1	97.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT CFS
<1	3.6	7.6	.1	.0	.0	.0	7.2	
1-2	1.3	12.3	16.3	.0	.0	.0	29.9	
3-4	.5	17.8	21.3	.0	.0	.0	39.6	
5-6	.0	2.0	16.2	1.8	.1	.0	20.1	
7	.0	.3	6.0	1.4	.0	.0	7.7	
8-9	.0	.1	1.6	1.2	.0	.0	2.9	
10-11	.0	.0	.4	1.2	.0	.0	1.6	
12	.0	.0	.1	.1	.1	.0	.3	
13-16	.0	.0	.1	.1	.0	.0	.2	
17-19	.0	.0	.0	.0	.1	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.4	29.3	56.3	6.8	.2	.0	100.0	1476

PERIOD: (OVER-ALL) 1944-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.0	10.6	18.1	10.7	4.0	1.7	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2575	4
6-7	.1	1.6	7.7	9.1	4.8	2.7	1.2	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1506	5
8-9	.0	.4	2.0	3.4	2.8	1.5	.8	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	624	6
10-11	.0	.0	.7	.4	.9	.5	.3	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	216	6
12-13	.0	.0	.4	.4	.3	.3	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	93	7
13	.0	.0	.0	.4	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	53	7
14-15	1.0	1.0	1.3	.8	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	318	3
TOTAL	207	766	1671	1331	728	387	174	61	42	13	3	2	0	0	0	0	0	0	0	5385	5
PCT	3.8	14.2	10.1	25.6	11.5	7.2	3.2	1.1	.8	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1877-1979

PAT

AREA (C) CENTRAL PLAIN WEST
76.00 119.00

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SH&W	DRZL	FRZG	SNOW	OTHER FMZG	HAIL	PCPN AT OR TIME	PCPN PAST HOUR	THDP LTNG	FOG	FOG NO PCPN	SMOKE	HAZE	BLWG	DLST	NO SIG WFA
N	.2	.1	.2	.0	.0	.0	.0	.5	.1	.4	1.2	.0	2.7	.3	.3	.3	95.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.4
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	3.1	6.5	.0	.0	.0	93.7
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.4	.0	10.8	.0	.0	.0	78.1
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.7	1.7	4.6	.0	.0	.0	81.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	3.7	.0	.0	.0	93.9
W	.2	.0	.2	.0	.0	.0	.0	.4	.4	.0	3.6	.3	4.0	.0	.0	.0	90.9
NW	.1	.0	.1	.0	.0	.0	.0	.2	.1	.0	1.8	.0	4.0	.0	.0	.0	93.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	13.2	.0	4.1	.0	.0	.0	81.0
TOT PCT	.1	.0	.1	.0	.0	.0	.0	.2	.1	.2	2.0	.1	4.4	.1	.1	.1	93.0
TOT OBS:	7651																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SH&W	DRZL	FRZG	SNOW	OTHER FMZG	HAIL	PCPN AT OR TIME	PCPN PAST HOUR	THDP LTNG	FOG	FOG NO PCPN	SMOKE	HAZE	BLWG	DLST	NO SIG WFA
0000	.2	.0	.1	.0	.0	.0	.0	.2	.1	.2	1.1	.1	6.5	.1	.1	.1	92.0
0600	.1	.1	.2	.0	.0	.0	.0	.1	.1	.2	1.1	.0	4.0	.0	.0	.0	94.6
1200	.1	.0	.1	.0	.0	.0	.0	.2	.2	.3	3.0	.1	3.1	.0	.0	.0	93.2
1800	.1	.0	.2	.0	.0	.0	.0	.4	.1	.0	2.9	.0	4.2	.1	.1	.1	92.1
TOT PCT	.1	.0	.1	.0	.0	.0	.0	.3	.1	.2	2.0	.1	4.4	.1	.1	.1	93.0
TOT OBS:	7711																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)										HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FREQ	MEAN SPD		00	06	12	18	21			
N	.1	4.2	7.2	.7	.0	.0	12.3	13.2			9.0	10.7	11.3	7.0	15.0	15.9	14.4	12.1
NE	.1	.4	.1	.0	.0	.0	.6	8.9			.2	.7	.4	.3	1.0	.3	.8	1.6
E	.1	.2	.1	.0	.0	.0	.4	7.8			.3	.0	.2	.0	.4	.0	.7	.7
SE	.1	.2	.0	.0	.0	.0	.3	6.0			.3	.0	.1	.0	.4	.0	.7	.0
S	.2	.4	.2	.0	.0	.0	.8	7.8			.7	.0	.6	.7	.9	.7	1.1	.0
SW	.2	.6	.1	.0	.0	.0	1.0	6.9			1.4	1.4	.8	.0	.8	.6	.9	.7
W	.6	4.2	4.0	.7	.0	.0	10.2	10.6			12.9	11.4	10.1	16.1	8.4	8.5	8.8	9.8
NW	1.3	22.2	45.0	4.3	.0	.0	72.9	13.6			74.6	75.4	74.4	74.5	70.7	74.1	70.7	72.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6	.0	.0	.0	.0	.0	1.6	.0			.7	.0	1.7	.5	2.3	2.3	1.8	3.1
TOT OBS	376	2728	4639	43.3	.0	.0	8179	12.9			1904	138	1853	184	1751	216	1949	223
TOT PCT	4.6	33.4	56.7	5.3	.0	.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	1.4	8.0	2.8	.1	.0		12.3	13.2	9.1	10.9	11.1	7.1	14.1
NE	.3	.3	.1	.0	.0		.6	8.9	.2	.4	.4	.3	.9
E	.2	.1	.0	.0	.0		.4	7.8	.3	.2	.4	.0	.7
SE	.2	.1	.0	.0	.0		.3	6.0	.3	.1	.3	.0	.6
S	.4	.3	.1	.0	.0		.8	7.8	.6	.6	.8	.7	1.0
SW	.5	.4	.0	.0	.0		1.0	6.9	1.4	.7	.8	.6	.9
W	2.5	6.3	1.3	.0	.0		10.2	10.6	12.9	10.6	8.3	8.5	8.8
NW	7.1	45.3	20.0	.5	.0		72.9	13.6	74.7	74.9	71.1	70.9	72.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
CALM	1.6	.0	.0	.0	.0		1.6	.0	.7	1.8	2.3	1.9	
TOT OBS	1159	4972	1991	57	.0	8179	12.9		2042	2038	1967	2152	
TOT PCT	14.2	60.8	24.3	.7	.0	100.0			100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1957-1974
(COVER-ALL) 1977-1979

PAV

AREA CD: CENTRAL BAWA WEST
28.44 114.46

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-5	6-10	WIND SPEED (KNOTS)			NR	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000	1.7	2.5	27.2	42.2	7.7	1.0	1.0	13.9	100.0	2047
0600	1.6	1.6	29.7	60.7	6.7	0	1.0	13.6	100.0	2039
1200	2.3	3.1	36.9	53.7	3.9	1.1	1.0	12.3	100.0	1967
1800	1.9	4.6	36.4	50.4	3.6	0	1.0	11.6	100.0	2132
TOT	1.3	2.9	27.8	46.9	4.3	0	1.0	12.9		8179
PCT	1.6	3.0	33.4	46.7	5.1	0	1.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	C-2	3-4	5-7	8-10	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	4.1	1.9	3.4	3.0	4.8	
NE	1.1	0	1.1	1.1	4.8	
E	1.1	0	1.1	1.1	5.2	
SE	1.1	0	1.1	1.1	4.9	
S	1.1	1.1	1.1	1.1	4.2	
SW	1.1	1.1	1.1	1.1	4.8	
W	4.0	1.4	2.4	2.4	4.0	
NW	30.4	10.7	17.1	14.7	3.8	
VAR	1.0	1.0	1.0	1.0	1.0	
CALM	1.6	1.1	1.1	1.1	4.3	
TOT OBS	2456	857	1487	1122	6126	3.9
TOT PCT	40.1	14.0	24.1	21.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, M, 34/3)
AND OCCURRENCE OF AM C/S BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	AM C/S	ANY HGT	TOTAL
149	299	599	999	1999	3999	4999	6999	7999				OBS
1.2	0	1.2	1.1	2.5	1.1	1.1	1.1	1.1	0	1.9		
1.0	1.0	0	1.1	0	0	0	0	0	0	1.0	1.2	
1.0	1.0	0	0	0	0	0	0	0	0	1.0	1.2	
1.1	0	1.1	1.1	1.1	1.1	0	0	0	0	1.0	1.2	
0	0	0	1.1	1.2	0	0	0	0	0	0	0	
1.1	1.2	1.0	1.3	1.6	1.2	1.1	0	1.1	0	1.1	1.0	
1.2	1.2	1.9	10.0	4.9	1.7	1.8	1.3	1.2	1.2	1.2	1.2	
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
1.1	1.0	0	1.2	1.5	1.1	1.1	1.0	0	0	0	0	
0.7	2.1	10.7	51.0	88.6	40.9	14.4	4.9	3.8	3.1	39.26	6126	
1.4	1.1	1.7	9.1	14.6	6.7	2.4	1.8	1.6	1.5	62.5	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM 34/3) AND VISBY (NM)

CEILING (FEET)	VISBY (NM)							
	> OR >10	> OR >5	> OR >2	> OR >1	> OR >1/2	> OR >1/4	> OR >0.05	> OR >0
> OR >6500	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
> OR >5000	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0
> OR >4500	3.5	4.3	4.4	4.4	4.4	4.4	4.4	4.4
> OR >4000	9.3	10.9	11.0	11.0	11.0	11.0	11.0	11.0
> OR >3500	21.6	25.4	25.7	25.7	25.7	25.7	25.7	25.7
> OR >3000	28.0	33.6	34.1	34.1	34.1	34.1	34.1	34.1
> OR >2500	29.1	35.3	35.8	35.8	35.8	35.8	35.8	35.8
> OR >2000	29.3	35.6	36.1	36.2	36.2	36.2	36.2	36.2
> OR >1500	29.7	36.4	37.0	37.1	37.2	37.3	37.4	37.5
TOTAL	1812	2239	2279	2283	2286	2300	2304	2312

TOTAL NUMBER OF OBS: 6158

PCT FREQ AM C/S: 62.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	1	2	3	4	5	6	7	8 ORSCC	TOTAL OBS
10.4	10.4	9.7	7.1	7.0	4.3	7.0	4.6	17.7	6532

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1977-1979

MAY

AREA C01 CENTRAL PALM WEST
26.4N 114.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.1	.0	.0	.1	.0	.1	.0	.0
	TOT %	.0	.0	.0	.0	.1	.0	.1	.2	.0	.1	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.3
	TOT %	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.3
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	1.1
	TOT %	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	1.2
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	NO PCP	1.4	.1	.1	.1	.1	.2	1.4	6.9	.0	.0	.7	13.7
	TOT %	1.5	.1	.1	.1	.1	.2	1.5	6.9	.0	.0	.7	13.7
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	NO PCP	10.6	.5	.3	.3	.5	.8	8.4	61.8	.0	1.1	84.3	
	TOT %	10.7	.5	.3	.3	.5	.8	8.4	61.8	.0	1.1	84.4	
TOT OBS 7633													
TOT PCT 12.3 .6 .4 .4 .8 1.0 10.1 72.9 .0 1.6 100.0													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
	4-10	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.3	
	11-21	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.1	.0	.1	.2	.0	.1	.5	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	
	4-10	.1	.0	.0	.0	.0	.0	.1	.5	.0	.0	.8	
	11-21	.1	.0	.0	.0	.0	.0	.0	.6	.0	.0	.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	TOT %	.2	.0	.0	.0	.0	.0	.2	1.2	.0	.1	1.7	
5<10	0-3	.1	.0	.0	.0	.0	.0	.1	.2	.0	.3	.7	
	4-10	.6	.1	.1	.0	.1	.1	.8	3.1	.0	.0	6.8	
	11-21	.8	.0	.0	.0	.1	.1	.6	5.9	.0	.0	7.4	
	22+	.1	.0	.0	.0	.0	.0	.1	.6	.0	.0	.8	
	TOT %	1.5	.1	.1	.1	.1	.2	1.5	9.8	.0	.3	13.6	
10+	0-3	.2	.0	.1	.1	.2	.2	.6	1.0	.0	1.1	3.5	
	4-10	3.4	.3	.2	.1	.3	.5	4.2	18.0	.0	.0	27.0	
	11-21	6.3	.1	.1	.0	.1	.1	3.4	38.8	.0	.0	48.8	
	22+	.6	.0	.0	.0	.0	.0	.2	3.6	.0	.0	4.5	
	TOT %	10.6	.5	.3	.3	.5	.8	8.3	61.5	.0	1.1	83.8	
TOT OBS 7865													
TOT PCT 12.3 .6 .4 .4 .8 1.0 10.1 72.9 .0 1.6 100.0													

PERIOD: (PRIMARY) 1955-1976
(LIVIA-ALL) 1977-1979

PAT

APFA 001 CENTRAL BAJA WEST
26.4N 114.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM (5/8) BY HOUR

MOON (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM (5/8 ANY HGT)	TOTAL OBS
0000	.6	.4	1.0	5.4	10.3	4.4	1.5	.8	.7	.8	25.8	74.2	1667
0600	1.0	.3	1.1	5.6	10.9	4.2	1.9	.6	.6	.7	26.6	73.4	1579
1200	2.8	.3	1.1	12.4	19.5	8.6	2.4	.7	.4	.5	51.1	48.9	1441
1800	1.3	.4	1.6	9.3	17.1	6.9	3.2	1.1	.7	.5	44.3	55.7	1657
TOT	4.6	2.1	10.7	51.4	90.7	41.2	14.8	5.0	3.9	3.4	232.0	402.4	6344
PCT	1.4	.3	1.7	8.1	14.3	6.5	2.3	.8	.6	.4	36.6	63.4	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

MOON (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.2	.0	.1	1.1	13.7	85.1	1943
0600	.4	.1	.0	1.5	12.3	85.5	2113
1200	1.0	.3	.3	2.1	14.6	81.7	1924
1800	.6	.1	.4	2.1	14.0	82.9	2107
TOT	4.4	1.1	1.6	1.6	10.6	67.9	6027
PCT	.5	.1	.2	1.7	13.7	83.8	100.0

TABLE 12

CUMULATIVE PCT FRFC OF RANGES OF VSRY (NM) AND/OR
CEILING HGT (FEET, NM) BY HOUR

MOON (GMT)	<150 (5000)	<600 (1)	<1000 (1)	<1000+ AND 5+	NM (5/8 AND 5+)	TOTAL OBS
0000	.6	2.0	8.1	18.4	73.4	1625
0600	1.1	2.6	9.3	18.9	71.8	1513
1200	2.8	6.4	19.5	32.8	47.8	1413
1800	1.2	3.4	13.8	31.9	54.3	1407
TOT	8.7	21.7	76.8	154.4	382.6	6156
PCT	1.4	3.5	12.5	25.4	62.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FRFC
80/84	.0	.0	.0	.0	.0	.0	.0	.0	3	.0
75/79	.0	.0	.0	.1	.1	.1	.0	.0	28	.4
70/74	.0	.0	.0	.1	1.4	1.4	.4	.3	275	4.3
65/69	.0	.0	.0	.4	3.0	7.4	6.7	2.1	1244	19.7
60/64	.0	.0	.0	.7	4.1	17.6	27.9	10.4	3819	60.4
55/59	.0	.0	.0	.0	.3	2.4	8.1	4.2	947	15.0
50/54	.0	.0	.0	.0	.0	.0	.0	.1	8	.1
TOTAL	.0	.1	.6	8.0	56.8	193.8	274.9	108.2	6324	100.0
PCT	.0	.0	.1	1.3	9.0	29.1	43.7	17.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALP
80/84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75/79	.1	.0	.0	.0	.0	.0	.1	.3	.0	.0
70/74	.5	.0	.1	.0	.1	.1	.6	2.8	.0	.2
65/69	2.3	.1	.1	.2	.2	.4	2.7	13.4	.0	.3
60/64	7.4	.3	.2	.2	.3	.5	5.7	45.0	.0	.9
55/59	2.3	.1	.0	.0	.1	.1	1.1	11.1	.0	.2
50/54	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
TOTAL	12.5	.6	.4	.4	.6	1.0	10.1	72.7	.0	1.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (LEG F) BY HOUR

MOON (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	82	75	72	64	59	57	50	64.7	2033
0600	81	69	66	61	58	57	50	61.4	2039
1200	87	64	65	61	57	55	50	60.7	1975
1800	87	74	70	64	59	57	51	64.2	2137
TOT	82	71	70	62	54	56	50	62.4	8184

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

MOON (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	1.9	12.2	36.3	38.5	11.0	7.9	16.2		1602
0600	.0	.4	4.7	19.3	50.6	25.4	8.5	16.39		1639
1200	.0	.3	4.6	22.2	50.1	22.8	8.4	15.24		1524
1800	.0	2.9	14.9	38.3	34.8	9.2	7.8	16.14		1614
TOT	.0	4.8	27.5	105.5	277.1	109.0	81	63.79		

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1977-1979

MAY

AREA C01 CENTRAL RAJA WEST
76.4N 110.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	TOT	W FOG	NO FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	.0	.1
14/16	.0	.0	.0	.0	.0	.1	.2	.0	.0	27	.0	.4
11/13	.0	.0	.0	.1	.2	.3	.4	.1	.0	75	.0	1.1
9/10	.0	.0	.0	.1	.4	.6	.2	.0	.0	45	.0	1.4
7/8	.0	.0	.0	.5	1.3	1.8	.2	.0	.0	256	.1	3.8
6	.0	.0	.1	.4	1.0	.7	.1	.0	.0	163	.0	2.3
5	.0	.0	.1	1.0	1.9	.7	.1	.0	.0	273	.0	3.9
4	.0	.0	.3	2.1	2.2	.6	.0	.0	.0	370	.2	5.1
3	.0	.0	.4	2.4	2.6	.3	.0	.0	.0	400	.4	5.7
2	.0	.0	1.1	5.1	2.3	.7	.0	.0	.0	618	.3	8.5
1	.0	.1	1.6	5.6	2.0	.1	.0	.0	.0	656	.1	9.2
0	.0	.1	3.6	9.6	1.8	.1	.0	.0	.0	1071	.3	14.9
-1	.0	.1	3.0	6.7	.8	.1	.0	.0	.0	748	.2	10.5
-2	.0	.3	4.4	6.4	.4	.0	.0	.0	.0	878	.2	11.3
-3	.0	.1	3.4	3.4	.4	.0	.0	.0	.0	517	.2	7.2
-4	.0	.1	3.2	2.3	.2	.0	.0	.0	.0	413	.1	5.8
-5	.0	.1	1.7	1.3	.2	.0	.0	.0	.0	241	.1	3.2
-6	.0	.1	1.1	.6	.0	.0	.0	.0	.0	132	.0	1.9
-7/-8	.0	.2	.8	.4	.0	.0	.0	.0	.0	100	.0	1.4
-9/-10	.0	.1	.2	.7	.0	.0	.0	.0	.0	74	.0	.5
-11/-13	.0	.0	.1	.1	.0	.0	.0	.0	.0	18	.0	.2
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
-20/-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	10	10	1770	3402	380	16	1	7	7022	139	48.3	
PCT	.1	1.4	25.2	48.4	17.8	5.4	1.2	.2	.1	100.0	2.0	58.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
01	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1
1-2	.0	.1	2.1	1.6	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
3-4	.0	1.4	5.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.3	2.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	4.6	9.1	.7	.0	.0	14.6	.1	.1	.0	.0	.0	.0	.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
01	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1
1-2	.0	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.2
3-4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.1	.1	.0	.0	.0	.2	.1	.2	.0	.0	.0	.0	.3

PERIOD: (OVER-ALL) 1963-1979

MAY

TABLE 18 (CONT)

AREA GD1 CENTRAL BAJA WEST
26.4N 114.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.2	.2	.0	.0	.0	.0	.4	.2	.2	.0	.0	.0	.0	.3	
1-2	.0	.3	.1	.0	.0	.0	.4	.1	.3	.1	.0	.0	.0	.4	
3-4	.1	.1	.4	.0	.0	.0	.6	.0	.1	.0	.0	.0	.0	.1	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.2	.8	.5	.0	.0	.0	1.4	.3	.5	.1	.0	.0	.0	.9	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.0	.8	.1	.0	.0	.0	.9	.3	1.8	.0	.0	.0	.0	2.1	
1-2	.2	2.1	1.0	.0	.0	.0	3.3	.5	8.7	6.2	.0	.0	.0	15.4	
3-4	.0	1.3	1.4	.0	.0	.0	2.6	.3	6.3	18.7	.4	.0	.0	25.8	
5-6	.0	.1	1.2	.0	.0	.0	1.3	.1	1.8	16.0	1.0	.0	.0	18.8	
7	.0	.0	.6	.1	.0	.0	.8	.0	.0	5.2	1.2	.0	.0	6.7	
8-9	.0	.0	.1	.0	.0	.0	.2	.0	.1	1.5	.7	.0	.0	2.3	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.0	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.2	4.3	4.3	.2	.0	.0	9.2	1.2	18.8	48.2	3.6	.1	.0	71.9	98.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.3	3.5	.1	.0	.0	.0	5.9	ORS
1-2	1.0	13.8	8.9	.0	.0	.0	23.7	
3-4	.4	9.5	24.0	.6	.0	.0	34.6	
5-6	.1	2.2	19.7	1.3	.0	.0	23.2	
7	.0	.1	7.1	1.4	.0	.0	8.6	
8-9	.0	.1	2.0	.8	.0	.0	2.9	
10-11	.0	.0	.3	.3	.0	.0	.6	
12	.0	.0	.1	.1	.0	.0	.2	
13-16	.0	.0	.1	.1	.1	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.9	29.3	62.3	4.1	.1	.0	100.0	1P1P

PERIOD: (OVER-ALL) 1966-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.6	12.0	16.7	11.4	3.6	1.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2851	4
6-7	.1	1.5	6.6	9.5	5.0	2.4	.8	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1522	5
8-9	.0	.5	2.4	3.2	2.5	1.4	.8	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	831	6
10-11	.0	.2	.8	1.0	.7	.6	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	229	6
12-13	.0	.0	.6	.5	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	107	5
>13	.0	.0	.0	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	55	7
INDEX	1.8	.9	1.7	1.0	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	385	3
TOTAL	201	887	1778	1556	768	382	156	32	33	6	1	0	0	0	0	0	0	0	0	5780	4
PCT	3.5	15.0	30.8	26.9	13.3	6.6	2.7	.6	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1902-1979

JUNE

AREA 001 CENTRAL BAJA WEST
76.4N 114.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAUL	PCPN AT OR TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG NO PCPN	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WFA	NO SIG WFA	NO SIG WFA
N	.1	.1	.2	.0	.0	.0	.0	.4	.1	.0	2.0	.0	4.4	.1	93.1		
NE	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	2.6	.0	95.7		
E	.0	.0	.0	.0	.0	.0	.0	.0	9.4	.0	7.8	.0	9.4	.0	73.4		
SE	3.0	.0	3.0	.0	.0	.0	.0	3.0	.0	.0	16.5	.0	17.0	.0	68.4		
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.4	1.9	4.5	.0	73.2		
SW	1.0	1.0	.0	.0	.0	.0	.0	2.0	1.0	.0	8.9	.5	7.4	1.0	79.2		
W	.0	.0	.2	.0	.0	.0	.0	.2	.1	.0	7.2	.3	4.9	.0	82.3		
NW	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	3.2	.1	6.0	.1	90.3		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	18.3	.6	9.4	.0	69.5		
TOT PCT	.1	.0	.1	.0	.0	.0	.0	.2	.2	.0	4.1	.2	6.4	.1	88.9		
TOT OBS:	7263																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAUL	PCPN AT OR TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG NO PCPN	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WFA	NO SIG WFA	NO SIG WFA
0000	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	2.8	.2	8.7	.1	88.1		
0600	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	3.5	.1	4.6	.1	90.7		
1200	.1	.1	.4	.0	.0	.0	.0	.5	.0	.0	4.2	.2	4.7	.1	89.8		
1800	.2	.0	.1	.0	.0	.0	.0	.2	.0	.1	5.9	.2	6.3	.1	87.2		
TOT PCT	.1	.0	.1	.0	.0	.0	.0	.2	.2	.0	4.1	.2	6.3	.1	88.9		
TOT OBS:	7341																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OPS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-6	7-16	17-21	22-31	34-47	48+	HAUL				00	03	06	09	12	15	18	21
N	.4	4.3	7.0	.7	.0	.0	.0	12.4	12.8	9.6	13.0	10.6	7.7	17.0	16.4	15.0	14.1	
NE	.1	.5	.2	.0	.0	.0	.0	.9	8.1	.4	.4	.4	.3	1.1	1.7	1.1	1.3	
E	.1	.3	.0	.0	.0	.0	.0	.4	6.6	.2	.8	.1	.0	.6	.4	.0	.5	
SE	.2	.2	.0	.0	.0	.0	.0	.5	5.1	.1	.0	.2	.0	.6	.6	.0	1.4	
S	.2	.4	.0	.0	.0	.0	.0	.6	5.2	.5	.8	.5	1.7	.6	.6	.7	.4	
SW	.3	.9	.1	.0	.0	.0	.0	1.4	6.6	1.7	.0	.4	1.1	1.3	2.7	1.7	.8	
W	1.0	6.3	4.0	.1	.0	.0	.0	11.4	9.8	16.0	15.6	11.4	17.6	9.3	8.5	9.0	9.3	
NW	2.0	23.9	40.7	3.5	.1	.0	.0	70.1	13.1	70.7	67.9	73.4	75.3	69.6	68.3	67.4	64.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	7.4							2.4	.0	.9	1.5	1.5	1.4	1.9	.8	1.5	2.0	
TOT OBS	519	2887	4070	342	4	0	7822		12.1		1803	171	1723	176	1656	242	1846	245
TOT PCT	6.6	36.9	52.0	4.4	.1	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 4

WIND DIR	WIND SPEED (KNOTS)					TOTAL OPS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	09	12
N	1.8	7.5	3.0	.1	.0		12.4	12.8	9.6	10.6	13.5	15.4	
NE	.4	.5	.0	.0	.0		.9	8.1	.4	.4	1.2	1.1	
E	.3	.1	.0	.0	.0		.4	6.6	.2	.8	.6	.7	
SE	.3	.1	.0	.0	.0		.5	5.1	.1	.0	.6	.9	
S	.5	.1	.0	.0	.0		.6	5.2	.5	.8	.6	.6	
SW	.8	.5	.0	.0	.0		1.4	6.6	1.6	.9	1.4	1.6	
W	3.3	7.1	1.0	.0	.0		11.4	9.8	15.4	11.4	9.2	9.0	
NW	8.4	44.7	16.7	.3	.0		70.1	13.1	70.7	67.9	69.6	67.4	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	2.4						2.4	.0	1.0	1.5	1.5	1.3	
TOT OBS	1417	4748	1622	34	1	7822		12.1	1934	1899	1898	2091	
TOT PCT	18.1	60.7	20.7	.4	.0		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1890-1979

JUNE

AREA 001 CENTRAL BAJA MEX
26.4N 114.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000	1.0	2.5	33.1	57.4	5.9	.1	.0	13.1	100.0	1934
0600	1.6	3.6	33.2	56.6	4.9	.1	.0	12.9	100.0	1899
1200	3.5	5.4	40.1	47.2	3.7	.1	.0	11.4	100.0	1899
1800	3.3	5.5	40.9	47.3	3.1	.0	.0	11.2	100.0	2091
TOT	185	334	2987	4070	342	.4	.0	12.1		7822
PCT	2.4	4.3	36.9	52.0	4.4	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	C-2	3-4	5-7	8-10	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	3.9	1.4	3.5	4.2		4.8
NE	.2	.2	.2	.7		5.3
E	.1	.0	.1	.1		5.4
SE	.1	.1	.1	.2		6.1
S	.1	.1	.1	.2		6.9
SW	.3	.1	.3	.6		5.5
W	4.4	1.2	2.1	3.3		4.1
NW	31.1	6.5	13.1	16.1		3.9
VAR	.0	.0	.0	.0		.0
CALM	.7	.7	.3	1.1		5.2
TOT OBS	2193	570	1148	1690	5801	4.1
TOT PCT	41.3	9.8	19.8	29.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WIND DIR	C-2	3-4	5-7	8-10	TOTAL CLOUD OBS	MEAN CLOUD COVER	000	150	300	400	1000	2000	3500	5000	6500	8000+	NM <5/8	TOTAL
							149	299	599	999	1999	3999	4999	6499	7999	ANY	ANY HGT	OBS
N	3.9	1.4	3.5	4.2		4.8	.2	.1	.3	1.8	2.8	1.1	.5	.1	.0	.0	6.0	
NE	.2	.2	.2	.7		5.3	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.4	
E	.1	.0	.1	.1		5.4	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.2	
SE	.1	.1	.1	.2		6.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	
S	.1	.1	.1	.2		6.9	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	
SW	.3	.1	.3	.6		5.5	.1	.0	.1	.2	.3	.1	.0	.0	.0	.0	.5	
W	4.4	1.2	2.1	3.3		4.1	.4	.1	.2	1.4	1.7	.6	.2	.1	.1	.0	6.7	
NW	31.1	6.5	13.1	16.1		3.9	1.2	.6	1.8	7.8	10.5	4.2	1.6	.5	.2	.2	41.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.7	.7	.3	1.1		5.2	.7	.1	.1	.3	.4	.1	.1	.0	.0	.0	.9	
TOT OBS	2193	570	1148	1690	5801	4.1	128	52	154	684	923	367	145	44	21	17	326.3	5801
TOT PCT	41.3	9.8	19.8	29.1	100.0		2.2	.9	2.7	11.8	15.9	6.3	2.5	.8	.4	.3	56.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM)				= OR >10	= OR >5	= OR >2	= OR >1	= OR >0.5	= OR >0.2
				= OR >1	= OR >1/2	= OR >1/4	= OR >5000						
= OR >6500	.5	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
= OR >4000	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR >3500	3.0	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
= OR >2000	8.1	10.1	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
= OR >1000	20.6	25.7	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
= OR >600	28.6	37.2	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
= OR >400	29.9	39.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
= OR >150	30.2	40.3	41.5	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
= OR >0	30.6	41.2	42.7	43.0	43.2	43.4	43.7	43.8	43.8	43.8	43.8	43.8	43.8
TOTAL	17.7	24.7	24.7	25.13	25.24	25.37	25.56	25.62					

TOTAL NUMBER OF OPS: 5849

PCT FREQ NM <5/8: 56.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
28.0	9.7	7.5	5.7	4.3	3.5	5.5	9.6	24.6	1.6	6220

JUNE

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1890-1979AREA 001 CENTRAL BAJA MEX
26.4N 114.4W

TABLE A

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.1	.2	.3	.0	.1	.4	
	TOT %	.0	.0	.0	.0	.0	.1	.2	.3	.0	.1	.4	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.1	.3	.0	.1	.5	
	TOT %	.0	.0	.0	.0	.0	.0	.1	.3	.0	.1	.5	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.2	.0	.0	.0	.0	.1	.3	1.1	.0	.2	1.9	
	TOT %	.2	.0	.0	.0	.0	.1	.3	1.1	.0	.2	2.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	2.3	.2	.1	.2	.2	.5	2.7	13.3	.0	.7	20.2	
	TOT %	2.3	.2	.1	.2	.2	.5	2.7	13.3	.0	.7	20.2	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	NO PCP	10.0	.6	.3	.2	.2	.7	7.8	55.0	.0	1.1	76.0	
	TOT %	10.1	.6	.3	.2	.2	.7	7.8	55.1	.0	1.1	76.1	
TOT OBS													7238
TOT PCT		12.7	.8	.4	.5	.5	1.4	11.2	70.3	.0	2.7	100.0	

TABLE B

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	
	4-10	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.5	
	11-21	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.2	.4	.0	.1	.9	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	4-10	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	4-10	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.4	
	11-21	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.2	.3	.0	.0	.6	
2<5	0-3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.3	.4	
	4-10	.1	.0	.0	.0	.0	.1	.3	.9	.0	.0	1.4	
	11-21	.1	.0	.0	.0	.0	.0	.1	.8	.0	.0	1.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.3	.0	.0	.0	.0	.1	.4	1.8	.0	.3	2.9	
5<10	0-3	.1	.0	.0	.1	.1	.1	.2	.4	.0	.7	1.7	
	4-10	.7	.1	.1	.1	.2	.4	1.5	4.9	.0	.0	8.0	
	11-21	1.2	.0	.0	.0	.0	.0	.9	7.2	.0	.0	9.3	
	22+	.2	.0	.0	.0	.0	.0	.0	.7	.0	.0	1.0	
	TOT %	2.2	.2	.1	.2	.2	.5	2.7	13.2	.0	.7	20.0	
10+	0-3	.3	.1	.1	.1	.0	.2	.6	1.4	.0	1.1	3.9	
	4-10	3.3	.4	.2	.1	.2	.4	4.2	17.2	.0	.0	26.0	
	11-21	5.7	.2	.0	.0	.0	.1	3.0	32.8	.0	.0	41.8	
	22+	.4	.0	.0	.0	.0	.1	2.9	.0	.0	.0	3.5	
	TOT %	9.8	.6	.3	.2	.3	.7	7.8	54.3	.0	1.1	75.1	
TOT OBS													7627
TOT PCT		12.4	.9	.4	.5	.6	1.4	11.3	70.2	.0	2.4	100.0	

JUNE

PERIOD: (PRIMARY) 1953-1979
(COVER-ALL) 1900-1979AREA 001 CENTRAL PAKA WEST
26.04 110.00

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM 24/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	TOTAL OBS
0000	1.1	.6	1.5	0.1	11.2	4.2	1.5	.5	.1	.2	26.0	71.0	1576					
0600	2.3	.1	1.8	7.9	13.2	4.7	1.2	.5	.3	.1	52.1	67.9	1459					
1200	3.1	1.2	3.6	17.3	19.9	7.5	3.4	1.0	.4	.4	57.8	42.2	1376					
1800	2.2	1.6	3.5	12.5	10.3	6.3	5.8	1.0	.7	.4	53.3	46.7	1002					
TOT	179	53	155	696	935	371	149	45	22	17	2572	3435	6007					
PCT	2.1	.4	2.6	11.6	15.6	6.2	2.5	.7	.4	.3	42.8	57.2	100.0					

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.4	.2	.2	2.2	19.6	77.5	1004
0600	1.1	.2	.3	2.3	14.4	77.8	1486
1200	1.0	.6	1.2	3.5	21.0	72.8	1854
1800	1.3	.5	.9	3.7	20.9	72.7	2074
TOT	73	24	50	225	1539	5744	7700
PCT	.4	.4	.6	2.4	20.0	75.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING HGT (FEET, NM 24/8) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <2	<1000 AND 5+	NM AND 5+	TOTAL OBS
0000	1.0	3.1	12.5	17.9	69.5	1530
0600	2.3	4.4	13.4	20.4	66.2	1417
1200	3.1	6.3	27.6	32.1	40.3	1300
1800	2.2	7.6	22.7	32.5	44.8	1567
TOT	124	346	1176	1501	3242	5044
PCT	2.1	5.8	18.9	25.7	55.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
05/00	0	.0	.0	.0	.0	.0	.0	.0	1	.0
06/04	0	.0	.0	.0	.0	.0	.0	.0	7	.1
75/79	.0	.0	.0	.1	.1	.5	.2	.0	76	1.2
70/74	.0	.0	.0	.2	1.7	1.2	2.9	.0	496	8.1
65/69	.0	.0	.0	.7	14.9	9.0	13.4	6.2	1910	31.1
60/64	.0	.0	.0	.0	1.2	9.5	20.1	15.4	3270	53.2
55/59	.0	.0	.0	.0	.0	.0	3.1	2.5	380	6.2
50/54	.0	.0	.0	.0	.0	.0	.0	.1	5	.1
TOTAL	0	0	34	317	1335	2919	1530	6145	6145	100.0
PCT	0	.0	.1	.6	5.2	21.7	47.5	24.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALP
05/00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
06/04	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75/79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55/59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	0	0	0	0	0	0	0	0	0	0
PCT	0	0	0	0	0	0	0	0	0	0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	PAY	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	65	77	71	64	61	60	55	66.4	1927
0600	65	70	64	62	59	57	54	67.0	1906
1200	64	70	67	62	58	57	52	67.3	1909
1800	64	77	72	65	60	54	57	65.7	2096
TOT	65	75	71	64	59	57	52	64.4	7838

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.1	1.2	7.4	29.7	46.1	15.0	81	1550		
0600	.1	.4	1.7	12.0	50.7	35.6	87	1551		
1200	.0	.1	1.4	12.7	48.9	36.5	87	1479		
1800	.0	1.0	9.7	31.7	44.3	13.6	80	1622		
TOT	2	43	320	1351	2947	1547	84	6210		

JUNE

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1940-1979AREA 001 CENTRAL RAJA WEST
26.4N 114.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT n	h FOG	WC FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	.0	.1
14/16	.0	.0	.0	.0	.0	.1	.2	.2	.1	.0	43	.0	.6
11/13	.0	.0	.0	.0	.1	.3	.6	.1	.0	.0	75	.0	1.1
9/10	.0	.0	.0	.1	.3	.7	.4	.1	.0	.0	113	.0	1.6
7/8	.0	.0	.0	.3	1.1	1.5	.7	.0	.0	.0	214	.1	1.1
6	.0	.0	.0	.3	1.1	1.2	.1	.0	.0	.0	191	.1	2.0
5	.0	.0	.1	.6	1.9	1.2	.2	.0	.0	.0	275	.1	3.9
4	.0	.0	.2	1.6	3.1	1.1	.1	.0	.0	.0	409	.3	5.8
3	.0	.0	.3	1.8	2.9	.8	.0	.0	.0	.0	387	.2	5.5
2	.0	.0	.6	4.2	3.7	.8	.0	.0	.0	.0	631	.3	9.0
1	.0	.0	.7	5.1	4.0	.6	.0	.0	.0	.0	708	.3	10.2
0	.0	.0	1.5	8.4	4.1	.5	.0	.0	.0	.0	980	.6	14.0
-1	.0	.0	1.7	7.3	7.5	.3	.0	.0	.0	.0	797	.6	11.2
-2	.0	.1	2.7	7.3	1.7	.1	.0	.0	.0	.0	765	.5	10.8
-3	.0	.0	1.7	4.1	1.0	.1	.0	.0	.0	.0	468	.3	6.6
-4	.0	.0	1.6	2.6	.3	.1	.0	.0	.0	.0	310	.2	4.4
-5	.0	.0	.8	1.3	.3	.0	.0	.0	.0	.0	158	.1	2.2
-6	.0	.0	.5	.7	.1	.0	.0	.0	.0	.0	93	.1	1.3
-7/-8	.0	.1	.4	.5	.1	.0	.0	.0	.0	.0	70	.1	1.0
-9/-10	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	19	.0	.3
-11/-13	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	9	.0	.1
-14/-16	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	9	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	.0	.1
TOTAL	1	22	840	3138	673	147	38	6	2	6743	271	6472	
PCT	.0	.3	17.5	46.5	28.4	9.4	2.2	.6	.1	100.0	4.0	96.0	

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	.0	.0	.0	.0	.7	.0	.1	.0	.0	.0	.0	.1
1-2	.0	1.3	1.5	.0	.0	.0	2.8	.1	.4	.0	.0	.0	.0	.4
3-4	.1	1.6	3.2	.2	.0	.0	5.1	.0	.2	.1	.0	.0	.0	.3
5-6	.0	.3	2.1	.2	.0	.0	2.6	.0	.0	.0	.1	.0	.0	.1
7	.0	.1	1.1	.2	.0	.0	1.4	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	3.9	8.3	.7	.0	.0	13.1	.1	.7	.2	.1	.0	.0	1.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.2
1-2	.0	.2	.0	.0	.0	.0	.2	.2	.1	.1	.0	.0	.0	.4
3-4	.0	.2	.1	.0	.0	.0	.7	.0	.1	.0	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.4	.1	.0	.0	.0	.4	.0	.3	.1	.0	.0	.0	.7

PERIOD: (OVER-ALL) 1963-1974

JUNE

ARFA 001 CENTRAL BAJA WEST
26.4N 114.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.0	.0	.0	.0	.0	.1	.1	.3	.0	.0	.0	.0	.4
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.0	.0	.0	.0	.0	.2	.1	.8	.1	.0	.0	.0	1.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.3	.9	.1	.0	.0	.0	1.3	.7	2.1	.3	.0	.0	.0	.0	3.2
1-2	.1	3.2	1.2	.0	.0	.0	4.5	.5	10.4	6.6	.0	.0	.0	.0	17.5
3-4	.0	1.5	1.6	.1	.0	.0	3.2	.0	8.0	18.5	.4	.0	.0	.0	26.9
5-6	.0	.2	1.0	.0	.0	.0	1.2	.0	1.3	14.4	.9	.0	.0	.0	16.6
7	.0	.0	.2	.0	.0	.0	.2	.0	.2	4.4	.7	.0	.0	.0	5.3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.4
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	5.8	4.1	.1	.0	.0	10.5	1.2	22.0	48.9	2.2	.0	.0	70.4	97.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.2	4.1	.5	.0	.0	.0	8.8	
1-2	1.1	16.1	9.3	.0	.0	.0	26.4	
3-4	.2	11.6	23.3	.7	.0	.0	35.8	
5-6	.0	1.9	17.4	1.2	.0	.0	20.5	
7	.0	.2	5.7	.9	.0	.0	6.9	
8-9	.0	.1	.5	.1	.0	.0	.7	
10-11	.0	.0	.7	.0	.0	.0	.7	
12	.0	.0	.6	.1	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	1676
TOT PCT	5.6	34.0	57.4	3.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	2.6	12.1	19.0	10.7	3.8	1.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2784	4
6-7	.1	1.9	9.0	9.9	5.0	1.6	.8	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1596	5
8-9	.0	.7	1.9	3.1	2.3	.9	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	527	5
10-11	.0	.2	.7	.8	.6	.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	163	5
12-13	.0	.0	.5	.5	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	94	6
>13	.0	.0	.0	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	7
INDEF	2.2	.9	1.6	1.2	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	363	3
TOTAL	271	878	1824	1472	707	250	109	26	21	3	1	0	1	0	0	0	0	0	0	5563	4
PCT	4.9	15.8	32.8	26.5	12.7	4.5	2.0	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1954-1979
(COVER-ALL) 1902-1979AREA 001 CENTRAL BAJA WEST
26.4N 114.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WFA
N	.3	.0	.4	.0	.0	.0	.0	.6	.1	.1	3.0	.4	3.9	.0	91.9
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.2	1.1	5.2	.0	87.7
E	.0	.0	1.4	.0	.0	.0	.0	1.4	.0	.0	9.0	.0	11.5	.0	77.3
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	13.4	1.0	6.1	1.0	77.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.9	9.9	.0	79.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.6	1.0	10.7	.0	77.1
W	.1	.0	.0	.0	.0	.0	.0	.1	.1	.3	6.7	.3	9.9	.0	82.5
NW	.1	.0	.0	.0	.0	.0	.0	.2	.2	.1	7.9	.2	8.4	.1	86.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.3	.0	.0	.0	.0	.3	.9	.0	14.9	.0	17.7	.0	70.7
TOT PCT	.1	.0	.1	.0	.0	.0	.0	.2	.7	.1	5.1	.3	8.3	.1	85.7
TOT OBS:	7352														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WFA
0000	.2	.0	.1	.0	.0	.0	.0	.3	.1	2.9	.3	11.6	.0		84.9
0600	.1	.0	.1	.0	.0	.0	.0	.2	.0	5.1	.1	6.1	.1		88.2
1200	.2	.1	.1	.0	.0	.0	.0	.3	.5	5.7	.4	8.1	.0		88.9
1800	.0	.0	.2	.0	.0	.0	.0	.2	.7	6.9	.7	8.8	.1		83.4
TOT PCT TOT OBS:	.1	.0	.1	.0	.0	.0	.0	.2	.7	5.1	.3	8.3	.1		85.7

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+					00	06	12	18	21		
N	.7	6.0	5.1	.2	.0	.0		12.0	10.8	9.7	9.0	11.1	6.7	12.9	11.9	14.9	13.4
NE	.2	.9	.3	.0	.0	.0		1.5	8.3	1.1	.0	2.1	.3	1.3	1.1	1.8	1.6
E	.2	.5	.2	.0	.0	.0		1.0	7.0	.4	1.3	.8	1.5	1.3	.0	1.4	.2
SE	.4	.4	.2	.0	.0	.0		1.4	6.0	1.0	.9	1.0	.6	1.6	1.4	2.0	1.1
S	.4	1.0	.1	.0	.0	.0		1.4	5.7	1.5	1.7	1.5	1.0	1.3	1.2	1.5	.9
SW	.4	1.3	.2	.0	.0	.0		1.9	6.5	2.4	2.8	1.1	1.0	1.8	3.4	1.9	2.9
W	1.7	8.2	4.0	.1	.0	.0		13.9	8.9	18.3	17.5	14.6	19.1	12.1	11.4	10.7	11.6
NW	2.6	20.0	30.1	1.4	.0	.0		62.1	11.4	63.5	64.5	64.3	65.1	60.5	63.2	59.5	63.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.8							4.8	.0	2.0	2.1	3.4	4.7	7.0	6.2	6.5	4.0
TOT OBS	901	3704	3179	141	1	0		7928	10.1	1916	133	1621	164	1704	210	1948	222
TOT PCT	11.4	46.7	40.1	1.8	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	2.7	7.7	1.6	.0	.0	12.0	10.8	9.7	10.7	12.4	14.7	
NE	.6	.9	.1	.0	.0	1.5	8.3	1.1	1.9	1.3	1.8	
E	.6	.4	.0	.0	.0	1.0	7.0	.4	.9	1.1	1.4	
SE	.9	.5	.0	.0	.0	1.4	6.0	1.0	.9	1.5	1.9	
S	1.0	.5	.0	.0	.0	1.4	5.7	1.5	1.5	1.3	1.5	
SW	1.0	.6	.0	.0	.0	1.9	6.5	2.4	1.1	2.0	2.0	
W	5.0	8.0	.9	.0	.0	13.9	8.9	18.2	15.0	12.2	10.4	
NW	10.9	42.2	8.8	.2	.0	62.1	11.4	63.6	64.5	60.8	59.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	4.8					4.8	.0	2.0	3.7	6.4	6.4	
TOT OBS	2175	4832	903	18	0	7928	10.1	2049	1790	1919	2170	
TOT PCT	27.4	60.9	11.4	.2	.0	100.0		100.0	100.0	100.0	100.0	

JULY

PERIOD: (PP1PART) 1956-1979
(OVER-ALL) 1902-1979AREA 001 CENTRAL BAJA MEX
26.4N 116.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	WIND SPEED (KNOTS)							PCT MEAN	PCT FREQ	TOTAL OBS
	CALM	1-3	4-10	11-21	22-33	34-47	48+			
0000Z	2.0	4.7	42.4	47.9	3.1	.0	.0	11.3	100.0	2069
0600Z	3.7	5.3	45.1	43.9	2.0	.1	.0	10.8	100.0	1790
1201Z	6.9	7.6	51.5	33.3	.7	.0	.0	9.1	100.0	1919
1802Z	6.4	8.7	47.9	35.4	1.4	.0	.0	9.3	100.0	2170
TOT	378	525	3704	2179	141	1	0	10.1		7928
PCT	4.8	6.6	46.7	40.1	1.8	0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-7	8-14	15-21	22-28	TOTAL OBS	MEAN CLOUD COVER
N	4.1	1.8	3.6	3.1	12.6	0.7
NE	.4	.4	.5	.5	1.8	0.7
E	.3	.2	.1	.2	0.7	0.7
SE	.7	.7	.4	.4	2.2	0.9
S	.5	.3	.7	.7	2.2	0.9
SW	.4	.4	.4	.3	1.5	0.9
W	6.8	2.0	2.8	2.3	13.9	3.4
NW	28.3	9.4	13.5	10.4	61.6	3.5
VAR	.0	.0	.0	.0	.0	.0
CALM	2.0	.4	.4	1.2	4.0	3.9
TOT OBS	2562	917	1337	1127	5934	3.7
TOT PCT	43.2	15.4	22.5	18.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM 30/8)
AND OCCURRENCE OF NH (5/P BY WIND DIRECTION

NO	150	300	600	1000	2000	3000	5000	6500	8000+	NH 5/P	TOTAL OBS
100	200	500	900	1000	3000	4000	6000	7000			
N	.2	0	.2	1.5	2.8	.8	.4	.1	0	.1	6.6
NE	.1	0	0	.1	.3	.2	0	0	0	.0	.9
E	.1	0	0	0	.1	0	.1	.0	0	0	.6
SE	.1	.0	0	.2	.2	.1	.1	0	0	.0	.7
S	0	.0	.0	.1	.2	.1	0	.0	.0	.0	.9
SW	0	.0	0	.1	.1	.1	0	.0	.0	.0	1.2
W	.4	0	.2	.9	1.5	.4	.2	.1	0	0	10.1
NW	.8	.4	1.1	4.8	7.3	7.4	1.2	.5	.3	.2	62.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4	.1	.2	.4	.4	.7	.1	0	.1	0	2.8
TOT OBS	125	34	105	480	761	285	128	42	24	20	5934
TOT PCT	2.1	.6	1.8	8.1	12.8	4.8	2.2	.7	.4	.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM 30/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>1/8	>0
>5000	.6	.8	.8	.8	.8	.8	.8	.8
>3000	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5
>1500	1.7	3.5	3.6	3.6	3.6	3.6	3.6	3.6
>1000	6.2	8.2	8.4	8.5	8.5	8.5	8.5	8.5
>600	15.3	20.4	21.2	21.2	21.3	21.3	21.3	21.3
>300	20.4	26.2	29.2	29.3	29.3	29.3	29.3	29.3
>100	21.2	29.8	30.9	31.0	31.1	31.1	31.1	31.1
>150	21.5	30.3	31.4	31.6	31.6	31.6	31.6	31.6
>0	21.8	30.9	32.4	32.8	33.1	33.2	33.6	33.7
TOTAL	1500	1800	1900	1900	1900	1900	2010	2020

TOTAL NUMBER OF OBS. 5934

PCT FREQ NH (5/P) 66.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
27.8	14.1	11.5	7.1	4.5	4.1	6.4	7.8	10.4	3.4	6330

PERIOD: (PP) 1954-1979
(OVER-ALL) 1902-1979

JULY

AREA CCI CENTRAL BAJA WEST
26.4N 114.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.1	0	0	.1	0	0	.2	.4	.0	.2	1.1	
	TOT B	.1	0	0	.1	0	0	.2	.4	.0	.2	1.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	0	.0	0	0	0	0	.1	.1	.0	.1	.4	
	TOT B	0	.0	0	0	0	0	.1	.1	.0	.1	.4	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	0	0	.0	0	0	.1	.1	.4	.0	.1	.7	
	TOT B	0	0	.0	0	0	.1	.1	.4	.0	.1	.7	
2<5	PCP	.0	.0	0	.0	.0	.0	0	.0	.0	.0	0	
	NO PCP	.2	0	.1	.1	.1	.1	.4	1.2	.0	.7	2.7	
	TOT B	.2	0	.1	.1	.1	.1	.4	1.2	.0	.7	2.7	
5<10	PCP	.1	.0	.0	.0	.0	.0	0	.1	.0	0	.1	
	NO PCP	2.3	.7	.7	.4	.4	.5	7.1	13.4	.0	1.4	27.2	
	TOT B	2.4	.7	.7	.4	.4	.5	7.1	13.4	.0	1.4	27.3	
10+	PCP	0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	NO PCP	8.4	1.1	.7	.8	.9	1.1	10.0	46.7	.0	7.7	73.7	
	TOT B	8.4	1.1	.7	.8	.9	1.1	10.0	46.8	.0	7.7	73.8	
TOT OBS													
TOT PCT													
		12.2	1.5	1.0	1.4	1.4	1.4	13.4	47.4	.0	4.4	100.0	7344

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	WIND KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	0	0	0	0	0	0	0	.0	.2	.4	
	4-10	.1	0	0	0	0	0	.2	.2	.0		.6	
	11-21	0	.0	0	0	.0	.0	0	.1	.0		.2	
	22+	.0	.0	0	.0	.0	.0	.0	.0	.0		0	
	TOT B	.1	0	.1	.1	0	0	.2	.3	.0		1.2	
1/2<1	0-3	.0	.0	.0	0	0	.0	0	0	.0	.1	.1	
	4-10	0	.0	0	0	.0	0	.1	.1	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	0	.1	.0		.1	
	22+	0	.0	.0	.0	.0	.0	.0	.0	.0		0	
	TOT B	0	.0	0	0	0	0	.1	.2	.0		.4	
1<2	0-3	.0	.0	.0	0	0	0	0	.0	.0	.1	.1	
	4-10	.1	0	.0	.0	0	0	.1	.2	.0		.4	
	11-21	0	0	.0	.0	0	.0	.3	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT B	.1	0	.0	0	0	.1	.3	.2	.0		.8	
2<5	0-3	0	0	0	0	0	0	.1	.1	.0	.4	.7	
	4-10	.1	0	0	0	.1	.1	.3	.0	.0		1.5	
	11-21	.1	0	0	0	.0	0	.1	.0	.0		1.1	
	22+	.0	.0	.0	.0	.0	.0	0	0	.0		.1	
	TOT B	.3	.1	.1	.1	.1	.1	.5	1.0	.0		3.4	
5<10	0-3	.1	0	0	.2	.1	.1	.4	.0	.0	1.4	3.4	
	4-10	1.1	.2	.1	.2	.1	.1	1.4	5.0	.0		10.1	
	11-21	1.1	.1	.0	0	.0	0	.8	6.3	.0		8.3	
	22+	0	.0	.0	.0	.0	.0	0	.3	.0		.3	
	TOT B	2.4	.3	.2	.4	.4	.5	3.1	13.4	.0		22.2	
10+	0-3	.4	.4	.1	.2	.2	.2	1.0	1.5	.0	2.3	6.3	
	4-10	4.6	.6	.4	.5	.6	.6	5.8	20.6	.0		33.9	
	11-21	3.4	.3	.2	.1	.1	.1	3.0	22.0	.0		30.1	
	22+	.2	0	.0	.0	.0	.0	.1	1.1	.0		1.3	
	TOT B	9.2	1.3	.8	.8	.9	1.2	9.8	46.0	.0	2.3	71.9	
TOT OBS													
TOT PCT													
		12.1	1.4	1.0	1.4	1.5	1.4	13.4	42.2	.0	4.7	100.0	7717

JULY

PERIOD: (PRIMARY) 1956-1979
(OVER-ALL) 1967-1976AREA CCI CENTRAL BALJA WEST
26.4N 114.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >475) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000	1.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23.0	76.7	1676
0600	2.4	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.4	76.6	1600
1200	2.4	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	43.0	56.7	1423
1800	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38.4	61.6	1697
TOT	12.6	.3	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	203.0	436.4	6196
PCT	2.4	.3	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32.0	67.7	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.2	.2	.4	2.4	21.7	72.7	2006
0600	1.1	.5	.0	2.5	19.1	76.2	1760
1200	1.4	.5	1.0	3.0	22.7	70.2	1882
1800	1.4	.5	1.2	4.6	23.4	68.8	2157
TOT	4.1	1.3	.6	2.5	17.9	56.1	7917
PCT	1.2	.4	.8	3.5	22.7	71.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/ON
CEILING HGT (FEET, NM >475) BY HOUR

HOUR (GMT)	<150	<600	<1000	1000+	NM <5/8 AND 5+	TOTAL OBS
0000	1.1	2.3	9.3	16.5	76.2	1621
0600	2.4	4.9	12.5	14.9	72.7	1357
1200	3.0	7.0	21.2	25.1	53.7	1336
1800	2.1	4.8	16.0	25.0	59.0	1694
TOT	12.6	24.0	67.4	122.6	309.9	5999
PCT	2.1	4.7	14.6	27.4	65.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.1	.0	.0	.0	9	.1
80/84	.0	.0	.0	.1	.4	.4	.7	.1	70	1.3
75/79	.0	.0	.0	.7	.9	1.0	2.1	1.0	490	8.1
70/74	.0	.0	.0	.1	1.2	6.9	12.9	8.4	1872	29.7
65/69	.0	.0	.0	.0	.0	4.1	16.1	18.0	2763	44.7
60/64	.0	.0	.0	.0	.0	.0	6.7	8.6	978	15.9
55/59	.0	.0	.0	.0	.0	.0	.0	.0	11	.2
TOTAL	.0	.0	.0	.1	1.6	5.8	26.4	22.6	6140	100.0
PCT	.0	.0	.1	.4	2.0	14.0	43.1	37.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALP
0	0	.0	.0	.0	.0	.0	.1	.0	.0
.1	.0	.1	.1	.1	.0	.2	.0	.0	.1
.0	.2	.2	.1	.2	.3	1.3	.4	.0	.4
3.2	.6	.4	.4	.5	.6	4.7	17.7	.0	1.6
5.9	.7	.1	.4	.4	.6	5.7	29.1	.0	1.7
2.7	.2	.1	.1	.1	.1	1.4	10.0	.0	.5
0	.0	.0	.0	.0	.0	.0	.1	.0	.0
12.7	1.6	1.0	1.4	1.3	1.6	13.3	62.7	.0	4.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	95%	90%	50%	5%	MIN	MEAN	TOTAL OBS
0000	91	82	74	70	64	62	60	7051
0600	81	76	71	67	62	60	58	67.2
1200	83	76	71	64	61	60	57	68.5
1800	90	81	77	70	64	61	54	69.9
TOT	91	80	74	69	62	60	57	64.7

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	1.2	.4	.0	24.7	46.8	21.5	.0	82	1655
0600	.0	.1	.0	.0	6.0	41.1	52.2	.0	89	1453
1200	.0	.1	.0	.0	30.7	55.5	.0	.0	89	1402
1800	.0	.0	.0	.0	26.0	45.1	2.5	.0	83	1677
TOT	.0	.0	.0	.0	10.7	99.0	29.2	.0	86	6217

JULY

PERIOD: (PRIMARY) 1954-1974
(OVER-ALL) 1902-1974AREA NO: CENTRAL BAY WEST
26.44 114.56

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DFG F) AND THE OCCURRENCE OF FOG (WITH-OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DFG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	% PCT	#0 FGG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	.0	.2
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	73	.0	.5
11/13	.0	.0	.0	.0	.0	.0	.0	.0	.0	87	.0	1.2
9/10	.0	.0	.0	.0	.0	.0	.0	.0	.0	136	.1	1.9
7/8	.0	.0	.0	.0	.0	.0	.0	.0	.0	275	.1	3.9
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	195	.1	2.9
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	310	.0	4.3
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	655	.4	8.2
3	.0	.0	.0	.0	.0	.0	.0	.0	.0	394	.2	5.5
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	719	.6	9.8
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	604	.5	8.0
0	.0	.0	.0	.0	.0	.0	.0	.0	.0	944	.9	12.9
-1	.0	.0	.0	.0	.0	.0	.0	.0	.0	707	.6	9.9
-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	693	.6	9.8
-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	658	.5	8.9
-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	372	.3	4.5
-5	.0	.0	.0	.0	.0	.0	.0	.0	.0	211	.1	2.9
-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	96	.0	1.4
-7/-8	.0	.0	.0	.0	.0	.0	.0	.0	.0	98	.1	1.3
-9/-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	.0	.5
-11/-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	.0	.2
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	.0	.1
TOTAL	74	156	258	393	925	269	60	7	3	6844	94.0	6504
PCT	1.1	15.5	36.6	28.3	13.5	3.0	.9	.1	.0	100.0	94.0	95.0

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	#0+	PCT	1-3	4-10	11-21	22-33	34-47	#0+	PCT
C1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	6.9	6.6	.5	.0	.0	14.4	.2	.7	.3	.0	.0	.0	1.2

HGT	1-3	4-10	11-21	22-33	34-47	#0+	PCT	1-3	4-10	11-21	22-33	34-47	#0+	PCT
C1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.6	.2	.0	.0	.0	.9	.3	.5	.1	.0	.0	.0	1.0

PERIOD: JUNE-1961 1961-1970

JULY

AREA 001 CENTRAL BAJA MEX
76.4N 114.5W

TABLE 1A (CONT)

PERCENT FREQUENCY OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

SW													SW													SW												
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT										
0-1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
1-2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
3-4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
5-6	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
7	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
8-9	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
10-11	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
12	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
13-16	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
17-19	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
20-22	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
23-25	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
26-32	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
33-40	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
41-46	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
49-60	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
61-70	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
71-86	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
87+	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										
TOT PCT	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1										

SW													SW													SW												
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT																
0-1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
1-2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
3-4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
5-6	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
7	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
8-9	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
10-11	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
12	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
13-16	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
17-19	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
20-22	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
23-25	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
26-32	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
33-40	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
41-46	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
49-60	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
61-70	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
71-86	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
87+	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																
TOT PCT	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																

WIND SPEED (FT/S) VS SEA HEIGHT (FT)													
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT					
0-1	6.2	6.2	6.2	6.2	6.2	6.2	100.0	0.0					
1-2	1.7	22.6	8.2	6.2	6.2	6.2	91.0	0.0					
3-4	6.2	16.7	18.4	6.2	6.2	6.2	86.0	0.0					
5-6	6.2	1.7	12.3	6.2	6.2	6.2	18.0	0.0					
7	6.2	6.2	6.2	6.2	6.2	6.2	5.0	0.0					
8-9	6.2	6.2	6.2	6.2	6.2	6.2	1.0	0.0					
10-11	6.2	6.2	6.2	6.2	6.2	6.2	0.0	0.0					
12	6.2	6.2	6.2	6.2	6.2	6.2	0.0	0.0					
13-19	6.2	6.2	6.2	6.2	6.2	6.2	0.0	0.0					
17-18	6.2	6.2	6.2	6.2	6.2	6.2	0.0	0.0					
20-22	6.2	6.2	6.2	6.2	6.2	6.2	0.0	0.0					
23-29	6.2	6.2	6.2	6.2	6.2	6.2	0.0	0.0					
26-32	6.2	6.2	6.2	6.2	6.2	6.2	0.0	0.0					
33-40	6.2	6.2	6.2	6.2	6.2	6.2	0.0	0.0					
41-48	6.2	6.2	6.2	6.2	6.2	6.2	0.0	0.0					
49-60	6.2	6.2	6.2	6.2	6.2	6.2	0.0	0.0					
61-70	6.2	6.2	6.2	6.2	6.2	6.2	0.0	0.0					
71-86	6.2	6.2	6.2	6.2	6.2	6.2	0.0	0.0					
87+	6.2	6.2	6.2	6.2	6.2	6.2	0.0	0.0					
TOT PCT	6.2	6.2	6.2	6.2	6.2	6.2	100.0	0.0					

PERIOD: JUNE-1961 1961-1970

TABLE 1B

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	0-1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
0-1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
1-2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
3-4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5-6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
8-9	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10-11	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
12-13	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
14	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
16-17	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
TOTAL	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
PCT	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1900-1979

AUGUST

AREA DCI CENTRAL BALD WFT
26.44 314.56

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW PCPN	OTHER FRZG PCPN	HAIL	PCPN AT OF TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY PLUG SAGG	NO SIG WFA
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	2.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT PCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS:	7421														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLW DUST BLW SNOW	NO SIG WFA
0000	.1	.C	.1	.0	.0	.0	.0	.1	.1	.C	1.1	.1	.A	.1	90.2
0600	.1	.1	.3	.0	.0	.0	.0	.4	.2	.7	1.5	.C	.A	.1	93.9
1200	.2	.0	.4	.C	.0	.0	.0	.6	.3	.6	2.0	.1	.A	.1	91.1
1800	.2	.1	.3	.C	.C	.C	.0	.6	.3	.C	4.0	.1	.A	.C	88.1
TOT PCT	.1	.0	.3	.0	.0	.0	.0	.4	.2	.4	2.2	.1	.A	.0	90.7
TOT OBS:	7514														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	0	0	0	0	0	0		14.7	10.7		12.0	12.4	13.4	14.4	15.4	16.4	17.4	18.4
NE	0	0	0	0	0	0		2.0	0.3		0	0	0	0	0	0	0	0
E	0	0	0	0	0	0		1.2	0.2		0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0		1.7	0.5		0	0	0	0	0	0	0	0
S	0	0	0	0	0	0		1.5	0.1		0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0		1.6	0.9		0	0	0	0	0	0	0	0
W	1.2	7.3	3.5	0	0	0		12.2	9.1		14.6	14.4	12.4	17.4	17.4	11.7	9.2	10.7
NW	7.4	26.3	31.2	1.6	0	0		61.5	11.7		63.0	63.0	63.7	67.4	60.1	59.4	61.2	
VAR	0	0	0	0	0	0		0	0		0	0	0	0	0	0	0	0
CALM	3.6	0	0	0	0	0		3.6	0		2.2	4.3	3.7	2.4	5.7	2.4	4.7	5.2
TOT OBS	776	3634	3340	191	4	0		7945	10.5		1855	134	1766	171	1705	206	1411	212
TOT PCT	9.4	45.7	42.0	2.4	0	0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 4A

WIND DIR	0-6	WIND SPEED (KNOTS)				W+L	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	00					03	06	09	12	15	18	21
N	3.3	9.0	1.7	0	0		14.7	10.7	12.0	13.4	15.7	17.7	
NE	0	1.1	0	0	0		2.0	0.3	0	0	0	0	
E	0	0	0	0	0		1.2	0.2	0	0	0	0	
SE	0	0	0	0	0		1.7	0.5	0	0	0	0	
S	0	0	0	0	0		1.5	0.1	0	0	0	0	
SW	0	0	0	0	0		1.6	0.9	2.0	0	0	0	
W	4.2	7.3	0	0	0		12.2	9.1	14.6	14.4	12.4	17.7	
NW	10.3	31.6	34.4	0	0		61.5	11.7	63.0	63.0	63.7	67.7	
VAR	0	0	0	0	0		0	0	0	0	0	0	
CALM	3.6	0	0	0	0		3.6	0	2.2	4.3	3.7	5.2	
TOT OBS	2034	4905	969	32	0	7945		10.5	1855	134	1766	212	
TOT PCT	25.7	61.7	12.2	0	0	100.0			100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1954-1974
(LIVEN-ALL) 1907-1974

AUGUST

AREA 001 CENTRAL BAJA MEX
26.4N 110.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						N+	MEAN	PCT	TOTAL OBS
		1-3	4-10	11-21	24-33	34-47	48+				
0000	2.4	4.8	34.3	49.5	4.0	.1	.0	11.7	100.0	1994	
0400	3.0	5.7	47.3	45.5	2.3	.1	.0	10.9	100.0	1917	
1200	4.8	6.9	50.6	38.3	1.5	.1	.0	9.7	100.0	1911	
1600	4.4	7.2	49.5	37.1	1.8	.0	.0	9.8	100.0	2127	
TOT	4.9	6.8	46.5	42.0	2.4	.1	.0	10.5	100.0	7945	
PCT	3.6	6.1	45.7	42.0	2.4	.1	.0	10.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL	MEAN
						CLOUD COVER
N	5.4	2.7	4.5	3.1	4.7	
NE	1.8	.3	.7	.4	4.5	
E	1.4	.2	.4	.2	4.0	
SE	1.4	.4	.7	.7	4.2	
S	1.6	.4	.7	.7	3.9	
SW	.7	.2	.4	.4	4.0	
W	6.7	2.7	2.1	1.4	1.0	
NW	32.1	9.8	12.2	7.7	3.0	
VAR	.0	.0	.0	.0	.0	
CALM	1.5	.7	.4	.6	3.6	
TOT OBS	2947	987	1327	850	6111	3.7
TOT PCT	44.2	14.7	21.7	13.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, M) AND
OCCURRENCE OF NH C/S BY WIND DIRECTION

NO	150	300	600	1000	2000	3500	5000	6500	8000+	NH C/S	TOTAL
149	299	599	999	1999	3999	7999	15999	31999	63999	ANY MGT	OBS
N	.1	.0	.2	1.4	2.6	1.7	.3	.1	.0	.1	8.8
NE	.0	.0	.2	.2	.1	.1	.0	.0	.0	.0	1.1
E	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.8
SE	.0	.1	.1	.2	.1	.1	.0	.0	.0	.0	1.1
S	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	1.1
SW	.0	.1	.1	.1	.2	.0	.1	.0	.0	.0	1.1
W	.2	.0	.2	.4	1.1	.4	.1	.0	.0	.0	9.3
NW	.4	.2	.8	4.0	6.4	2.1	1.0	.3	.1	.1	46.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	.0	.0	.3	.1	.1	.0	.0	.0	.0	2.5
TOT OBS	57	19	90	418	683	263	109	38	14	20	4401
TOT PCT	.9	.3	1.5	6.4	11.2	4.3	1.4	.6	.2	.7	72.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH C/S) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	> OR >10	> OR >5	> OR >2	> OR >1	> OR >1/2	> OR >1/4	> OR >50YD	> OR >0
> OR >3500	.4	.4	.6	.6	.6	.6	.6	.6
> OR >3000	.9	1.1	1.2	1.2	1.2	1.2	1.2	1.2
> OR >2500	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9
> OR >2000	5.7	7.0	7.2	7.2	7.2	7.2	7.2	7.2
> OR >1500	14.5	17.4	18.2	18.3	18.3	18.3	18.3	18.3
> OR >1000	19.6	24.7	25.0	25.1	25.1	25.1	25.1	25.1
> OR >500	70.4	25.4	28.5	29.6	29.6	29.6	29.6	29.6
> OR >150	70.4	28.1	28.8	28.9	28.9	28.9	28.9	28.9
> OR >0	70.4	28.1	27.6	27.6	27.6	27.6	27.6	27.6
TOTAL	12.1	16.1	16.7	17.0	17.3	17.6	17.7	17.7

TOTAL NUMBER OF OBS: 4162

PCT FREQ NH C/S: 72.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	1	2	3	4	5	6	7	8	OPSCD	TOTAL
										OBS
	32.4	14.4	10.5	7.8	4.3	3.9	5.8	7.1	17.5	.7
										6478

AUGUST

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1900-1979AREA 001 CENTRAL BAJA MEX
26.4N 114.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1<2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
2<5	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
5<10	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
10+	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS													
TOT PCT													

7400

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1<2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
2<5	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
5<10	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
10+	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS													
TOT PCT													

7680

AUGUST

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1900-1979AREA 001 CENTRAL BAJA NEST
26.4N 114.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOURL (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000	.4	.1	.5	5.1	8.3	3.7	1.4	.4	.1	.1	20.2	70.8	1682				
0600	.7	.3	.7	5.5	8.8	2.7	1.4	.5	.1	.1	20.7	70.1	1550				
1200	1.8	.4	3.0	8.4	14.5	4.6	1.5	.2	.3	.6	35.4	64.6	1444				
1800	.9	.4	1.8	7.4	11.9	5.6	2.5	1.2	.4	.5	32.5	67.5	1705				
TOT	5.9	1.9	9.3	47.0	68.8	26.6	10.8	1.8	1.4	2.0	177.5	465.6	6301				
PCT	.9	.3	1.5	6.6	10.8	4.2	1.7	.3	.2	.3	27.6	73.0	100.0				

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.2	.1	.2	1.2	15.4	83.0	1931
0600	.4	.1	.3	1.4	14.9	83.0	1498
1200	.4	.3	.5	2.4	18.9	77.3	1856
1800	.6	.1	.5	2.6	17.5	79.6	2100
TOT	31	10	30	151	1298	6263	7785
PCT	.4	.1	.4	1.9	16.7	80.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOURL (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 ANY HGT	TOTAL OBS
0000	.4	1.2	7.2	14.3	70.4	1617
0600	.7	1.7	8.1	13.4	70.2	1498
1200	1.9	5.5	15.8	22.0	62.4	1401
1800	1.0	3.3	12.8	21.4	65.5	1694
TOT	60	178	496	1104	4352	6162
PCT	1.0	2.9	10.4	17.9	71.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	.0	.0	.0	4	.1
85/89	.0	.0	.0	.1	.1	.2	.1	.0	31	.5
80/84	.0	.0	.0	.3	.7	1.8	1.0	.4	263	4.2
75/79	.0	.0	.0	.7	1.4	7.4	7.7	2.9	1221	19.6
70/74	.0	.0	.0	.1	1.0	7.6	21.8	13.8	2753	44.3
65/69	.0	.0	.0	.0	.2	2.1	13.2	13.1	1781	28.6
60/64	.0	.0	.0	.0	.0	.1	1.0	1.5	162	2.6
55/59	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
TOTAL	0	0	6	44	217	1190	2783	1973	6217	100.0
PCT	.0	.0	.1	.7	3.5	19.1	44.8	31.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	WSW	WSW
90/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85/89	.1	.0	.0	.0	.0	.0	.0	.3	.0	.1
80/84	.5	.1	.1	.3	.2	.1	.0	2.0	.0	.3
75/79	.8	.5	.4	.6	.5	.4	2.9	10.7	.0	.5
70/74	.5	.8	.5	.6	.5	.7	5.6	27.3	.0	1.7
65/69	.5	.5	.7	.7	.1	.2	2.3	19.4	.0	.8
60/64	.5	.0	.0	.0	.0	.0	.2	1.9	.0	.0
55/59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	15.6	1.9	1.2	1.8	1.4	1.5	11.5	61.6	.0	1.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	93	85	81	73	67	65	62	73.6	1989
0600	84	79	77	70	65	62	59	70.3	1428
1200	87	79	76	70	64	62	59	69.7	1928
1800	90	84	80	73	66	64	59	73.2	2113
TOT	93	85	79	72	65	61	59	71.8	7478

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	1.7	5.4	28.0	48.9	16.0	82	1407
0600	.0	.3	1.0	7.7	45.0	45.0	87	1541
1200	.0	.5	1.7	7.8	37.6	52.9	88	1483
1800	.0	1.0	6.0	31.6	46.2	15.3	81	1459
TOT	0	.5	2.1	12.5	28.4	28.4	84	6292

AUGUST

PERIOD: (PRIMARY) 1956-1979
(OVER-ALL) 1900-1979AREA C01 CENTRAL BAJA WEST
26.4N 114.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	57	61	65	69	73	77	81	85	89	TOT	%	NO FOG
	60	64	68	72	76	80	84	88	92			
23/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	0
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
17/19	.0	.0	.0	.0	.0	.0	.1	.1	.1	12	.0	.2
14/16	.0	.0	.0	.0	.0	.1	.1	.1	.1	26	.0	.4
11/13	.0	.0	.0	.1	.1	.1	.1	.1	.0	85	.0	1.2
9/10	.0	.0	.0	.2	.5	.6	.4	.1	.0	174	.0	1.8
7/8	.0	.0	.1	.5	1.3	1.1	.4	.0	.0	240	.1	3.5
6	.0	.0	.1	.5	.9	.5	.2	.0	.0	147	.0	2.1
5	.0	.0	.1	1.1	1.6	1.2	.2	.0	.0	101	.1	4.7
4	.0	.0	.6	1.7	1.7	1.3	.3	.0	.0	370	.1	5.3
3	.0	.1	.7	2.2	1.8	.6	.2	.0	.0	378	.1	5.4
2	.0	.2	1.4	3.2	2.6	1.1	.1	.0	.0	541	.2	8.3
1	.0	.2	1.4	3.7	3.2	.8	.1	.0	.0	670	.2	9.4
0	.0	.5	3.1	5.4	3.3	.8	.1	.0	.0	898	.7	12.8
-1	.0	.2	2.3	4.4	2.4	.5	.1	.0	.0	693	.2	9.8
-2	.0	.4	2.9	4.4	2.2	.5	.1	.0	.0	716	.2	10.1
-3	.0	.4	1.9	3.0	1.4	.2	.1	.0	.0	476	.1	6.4
-4	.0	.1	1.9	2.6	.8	.7	.0	.0	.0	305	.1	5.8
-5	.0	.2	1.4	1.3	.7	.1	.0	.0	.0	257	.1	3.7
-6	.0	.2	.8	.9	.6	.0	.0	.0	.0	170	.1	2.4
-7/-8	.0	.2	.7	.9	.4	.1	.0	.0	.0	159	.0	2.3
-9/-10	.0	.1	.7	.5	.2	.0	.0	.0	.0	75	.0	1.1
-11/-12	.0	.0	.2	.1	.1	.0	.0	.0	.0	29	.0	.4
-14/-16	.0	.0	.1	.2	.0	.0	.0	.0	.0	20	.0	.3
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	0
TOTAL	6	201	1398	2514	1759	712	39	4	4	6811	14.8	86.3
PCT	.1	3.0	20.4	36.9	25.0	10.1	2.7	.6	.1	100.0	2.2	97.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.4	1.0	.1	.0	.0	.0	1.5	.1	.5	.0	.0	.0	.0	.6
1-2	.7	3.9	1.7	.0	.0	.0	5.9	.6	.5	.3	.0	.0	.0	.5
3-4	.1	2.2	1.2	.1	.0	.0	5.6	.0	.2	.6	.0	.0	.0	.8
5-6	.0	.4	2.0	.0	.0	.0	2.5	.0	.1	.4	.0	.0	.0	.1
7	.0	.1	.7	.1	.0	.0	.9	.0	.0	.1	.1	.0	.0	.1
8-9	.0	.1	.1	.1	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	7.7	7.9	.3	.0	.0	16.7	.1	1.2	.7	.1	.0	.0	2.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.2	.2	.0	.0	.0	.0	.5	.2	.2	.0	.0	.0	.0	.3
1-2	.1	.3	.1	.0	.0	.0	.4	.1	.2	.0	.0	.0	.0	.2
3-4	.0	.1	.0	.0	.0	.0	.7	.0	.2	.1	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.7	.1	.0	.0	.0	1.1	.3	.6	.1	.0	.0	.0	1.0

PERIOD: (OVER-ALL) 1963-1979

AUGUST

AREA 001 CENTRAL RAJA WEST
26.44 114.50

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.7	.1	.0	.0	.0	1.1	.0	1.0	.1	.1	.0	.0	1.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	6.1	3.4	.0	.0	.0	10.5	1.4	27.0	32.3	1.4	.0	.0	62.0	96.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0
13-14	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	6.9	66.8	96.3	7.0	.0	.0	100.0	1925

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SECS)	1	1-2	3-4	5-6	7	8-9	10-11	12	13-14	15-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2703
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1011
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	575
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	230
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	97
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	66
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	110
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	590
15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOTAL	336	1075	1425	1285	571	1498	120	36	23	7	6	2	4	1	0	0	0	0	0	0	0	5500
PCT	6.0	19.2	26.4	23.0	10.2	3.6	2.1	.6	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1982-1979

AREA 001 CENTRAL BAY WEST
26.4N 114.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHW	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OP TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG NO PCPN	SMOKE HAZE	SPRAY BLDG	NO DUST SIG
N	.0	.0	.3	.0	.0	.0	.0	.9	.0	.0	.9	.2	4.7	.0	92.0
NE	4.1	.0	4.2	.0	.0	.0	.0	9.6	.0	.0	1.9	.2	2.1	.0	89.0
E	3.0	.7	2.8	.0	.0	.0	.0	6.5	3.7	.7	1.3	.0	2.8	1.3	93.1
SE	1.0	1.9	3.2	.0	.0	.0	.0	7.5	2.1	.0	.0	.0	2.1	.0	86.1
S	2.1	.7	5.5	.0	.0	.0	.0	8.3	2.8	.0	2.8	.0	3.5	.0	82.0
SW	2.1	.0	1.7	.0	.0	.0	.0	3.8	.7	.0	3.8	.2	7.2	.0	84.3
W	.2	.1	.5	.0	.0	.0	.0	.8	.1	.0	2.8	.5	8.1	.0	87.0
NW	.1	.0	.3	.0	.0	.0	.0	.4	.2	.3	1.4	.1	6.2	.1	91.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9	.0	10.7	.0	80.0
TOT PCT	.5	.1	.6	.0	.0	.0	.0	1.2	.4	.3	1.8	.1	6.0	.1	90.1
TOT OBS:	7200														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHW	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OP TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG NO PCPN	SMOKE HAZE	SPRAY BLDG	NO DUST SIG
0000	.5	.0	.2	.0	.0	.0	.0	.7	.7	.1	1.3	.1	9.0	.1	87.0
0600	.6	.2	.8	.0	.0	.0	.1	1.0	.5	.2	4.0	.2	4.0	.1	91.7
1200	.0	.1	.0	.0	.0	.0	.1	1.5	.0	.0	1.4	.2	3.3	.1	92.1
1800	.3	.1	.6	.0	.0	.0	.0	1.0	.7	.1	2.3	.2	7.0	.1	89.1
TOT PCT	.4	.1	.6	.0	.0	.0	.0	1.2	.4	.3	1.8	.1	6.0	.1	90.2
TOT OBS:	7300														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)									
	0-3	4-10	11-21	22-37	38-47	48+					00	03	06	09	12	15	18	21		
N	.7	6.6	8.4	.0	.0	.0		16.1	11.0		13.1	14.2	15.0	17.7	17.7	14.7	19.4	16.4		
NE	.2	1.3	.6	.0	.0	.0		2.1	9.3		1.2	1.4	1.7	1.4	2.5	3.1	2.4	3.0		
E	.2	1.0	.4	.1	.0	.0		1.0	9.3		1.0	.0	2.0	.0	2.4	2.3	2.1	1.0		
SE	.2	1.0	.7	.2	.0	.0		2.1	11.1		1.0	4.1	1.7	1.0	2.5	.4	2.0	1.3		
S	.1	1.1	.3	.2	.0	.0		1.9	9.2		1.7	2.4	1.7	1.9	2.0	2.0	2.7	3.0		
SW	.3	1.2	.4	.0	.0	.0		2.0	8.3		2.2	3.3	2.2	3.7	3.0	.7	1.8	.0		
W	.0	6.4	1.1	.1	.0	.0		10.0	9.3		13.1	10.7	11.1	17.2	9.0	7.0	8.0	9.2		
NW	2.2	24.9	10.7	2.7	.0	.0		40.2	12.1		63.0	61.0	61.7	67.7	56.9	66.9	56.0	59.9		
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
CALM	3.7	.0	.0	.0	.0	.0		3.7	.0		2.0	2.4	3.2	3.3	4.6	2.2	3.4	4.1		
TOT OBS	650	3411	3491	264	8	0		7832	11.1		1780	177	1707	187	1400	220	1800	219		
TOT PCT	0.4	43.6	44.6	3.4	.1	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TABLE 4a

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-3	4-10	11-21	22-37	38-47	48+					03	09	15	21	
N	2.4	10.1	3.0	.0	.0	.0		15.1	11.0		13.2	14.8	17.0	19.1	
NE	.0	1.2	.2	.0	.0	.0		2.4	9.3		1.2	1.7	2.5	2.9	
E	.0	.7	.2	.0	.0	.0		1.0	9.3		.9	1.0	2.4	2.0	
SE	.0	.9	.3	.1	.0	.0		2.1	11.1		2.0	1.7	2.2	2.3	
S	1.0	.9	.2	.1	.0	.0		1.9	9.2		1.8	1.3	2.0	2.5	
SW	1.0	.9	.1	.0	.0	.0		2.0	8.3		2.0	2.3	1.0	1.7	
W	3.5	6.3	.7	.0	.0	.0		10.0	9.3		13.0	11.0	9.0	8.9	
NW	9.5	39.1	11.7	.2	.0	.0		60.2	12.1		63.7	62.1	60.0	57.1	
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
CALM	3.7	.0	.0	.0	.0	.0		3.7	.0		2.0	3.2	4.1	3.4	
TOT OBS	1042	4692	1255	40	3	7832		100.0			1912	1096	1017	2067	
TOT PCT	23.5	59.9	16.0	.5	.0			100.0			100.0	100.0	100.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1957-1979
(OVERALL) 1987-1979AREA 001 CENTRAL BAJA MEST
28.4N 110.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)					MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47			
0000	2.0	4.1	37.5	51.4	4.8	.2	.0	12.1	1912
0600	3.2	4.1	40.4	48.1	4.0	.2	.0	11.6	1936
1200	4.3	5.9	49.0	38.1	2.7	.0	.0	10.2	1917
1800	3.5	6.1	47.1	40.9	2.4	.0	.0	10.4	2067
TOT	255	359	3411	3491	268	.8	.0	11.1	7832
PCT	3.3	5.1	43.6	44.6	3.4	.1	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-6	TOTAL CLOUD COVER
N	7.5	2.4	4.2	7.7	3.6
NE	.8	.1	.5	.4	4.0
E	.5	.1	.5	.4	4.4
SE	.4	.4	.5	.7	3.0
S	.7	.2	.5	.3	3.4
SW	.9	.2	.5	.4	3.0
W	5.9	1.5	1.4	1.4	2.9
NW	14.7	8.7	10.4	6.5	2.7
WSW	.0	.0	.0	.0	.0
CALM	2.1	.7	.5	.4	2.5
TOT OBS	3164	654	1147	757	5922
TOT PCT	53.4	14.4	19.4	12.8	100.0

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/R)
AND OCCURRENCE OF NH <5/R BY WIND DIRECTION

FOO	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/R	TOTAL
149	299	599	999	1999	3999	4999	6999	7999		ANY HGT	OBS
.2	.0	.3	1.2	2.5	1.0	.3	.1	.1	.1	11.1	
.1	.0	.0	.1	.3	.2	.0	.0	.0	.0	1.3	
.1	.0	.1	.2	.7	.1	.0	.0	.0	.0	1.1	
.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	1.4	
.1	.0	.0	.2	.1	.1	.0	.0	.0	.0	1.2	
.1	.0	.0	.2	.1	.1	.0	.0	.0	.0	1.3	
.2	.0	.2	.4	.9	.8	.2	.0	.0	.0	6.1	
.5	.1	.6	3.5	5.2	2.4	.9	.3	.1	.2	46.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.1	.1	.3	.1	.0	.0	.0	.0	2.6	
.72	26	77	167	573	266	96	29	17	10	4707	5922
1.2	.3	1.3	6.2	9.7	4.5	1.6	.5	.3	.3	74.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/R) AND VISIB (INH)

CEILING (FEET)	VISIB (INH)							
	>10	>5	>2	>1	>1/2	>1/4	>5000	>0
>10	.5	.6	.6	.6	.6	.6	.6	.6
>5	.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1
>2	2.1	2.4	2.7	2.7	2.7	2.7	2.7	2.7
>1	5.8	7.1	7.2	7.2	7.2	7.2	7.2	7.2
>1/2	13.5	16.4	16.4	16.4	16.4	16.4	16.4	16.4
>1/4	17.8	22.5	23.0	23.1	23.1	23.1	23.1	23.1
>5000	18.4	23.7	24.3	24.4	24.4	24.4	24.4	24.4
>0	18.5	24.0	24.4	24.7	24.8	24.8	24.8	24.8
TOTAL	1214	1472	1517	1570	1576	1580	1581	1581

TOTAL NUMBER OF OBS: 5966

PCT FREQ NH <5/R: 74.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	9	TOTAL
35.6	14.1	11.7	7.3	5.2	4.2	3.6	4.1	4.7	1.0	6274

SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1982-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.5	
	TOT %	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.5	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
	TOT %	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.3	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
	NO PCP	.1	.0	.1	.1	.0	.0	.2	.0	.0	.1	1.3	
	TOT %	.2	.0	.1	.1	.1	.1	.2	.0	.0	.1	1.5	
5<10	PCP	.1	.1	.0	.1	.1	.0	.0	.1	.0	.0	.6	
	NO PCP	2.5	.4	.3	.5	.4	.3	1.7	9.0	.0	.7	15.8	
	TOT %	2.6	.5	.3	.6	.5	.4	1.8	9.1	.0	.7	16.4	
10+	PCP	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.2	
	NO PCP	13.4	1.5	1.3	1.4	1.3	1.5	8.4	49.7	.0	2.2	80.9	
	TOT %	13.4	1.5	1.4	1.5	1.4	1.5	8.5	49.8	.0	2.2	81.1	
TOT OBS													7275
TOT PCT													
16.2 2.1 1.9 2.2 2.0 2.0 10.6 40.0 .0 3.1 100.0													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	
	4-10	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.1	.2	.0	.1	.5	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.1	.0	.0	.0	.0	.0	.1	.2	.0	.0	.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.3	
	4-10	.1	.0	.1	.0	.0	.0	.1	.5	.0	.0	.9	
	11-21	.1	.0	.0	.0	.0	.0	.0	.4	.0	.0	.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	TOT %	.2	.0	.1	.1	.1	.1	.2	1.1	.0	.1	2.0	
5<10	0-3	.1	.0	.0	.1	.0	.1	.2	.4	.0	.7	1.6	
	4-10	.8	.3	.7	.2	.2	.2	1.1	3.9	.0	.0	6.0	
	11-21	1.5	.2	.1	.2	.1	.1	.5	4.4	.0	.0	7.1	
	22+	.1	.0	.0	.1	.1	.1	.0	.4	.0	.0	.8	
	TOT %	2.5	.5	.3	.5	.4	.4	1.7	9.1	.0	.7	16.2	
10+	0-3	.0	.1	.2	.2	.3	.2	.7	1.7	.0	2.3	6.2	
	4-10	5.5	1.0	.4	.8	.8	1.0	5.1	20.3	.0	.0	35.2	
	11-21	6.8	.4	.3	.5	.2	.3	2.6	25.8	.0	.0	36.0	
	22+	.3	.0	.1	.1	.1	.0	.1	1.0	.0	.0	2.5	
	TOT %	13.2	1.5	1.3	1.5	1.3	1.5	8.4	49.8	.0	2.3	80.7	
TOT OBS													7637
TOT PCT													
16.1 2.1 1.8 2.1 1.4 2.0 10.6 40.2 .0 3.2 100.0													

SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1987-1979AREA 001 CENTRAL BAWA WEST
26.4N 114.0E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	TOTAL OBS
00003	.8	.4	.7	4.6	7.0	3.5	1.3	.7	.3	.3	19.5	80.5	1594		
06009	.7	.2	1.1	4.8	8.2	3.6	1.3	.2	.2	.2	20.5	79.4	1505		
12015	2.1	.3	2.0	8.0	11.3	5.1	1.5	.2	.2	.4	31.0	69.0	1421		
18021	1.3	.5	1.5	6.8	11.3	5.4	2.1	.9	.4	.2	30.3	69.7	1642		
TOT	73	21	80	370	580	271	96	31	17	18	1557	4605	6162		
PCT	1.2	.3	1.3	6.0	9.9	4.6	1.6	.5	.3	.3	25.3	74.7	100.0		

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.3	.1	.4	2.1	15.4	81.7	1871
06009	.5	.1	.4	1.6	15.4	82.1	1918
12015	.8	.2	.5	2.1	15.6	80.7	1868
18021	.6	.2	.3	2.3	18.3	78.2	2057
TOT	41	12	31	156	1254	6220	7714
PCT	.5	.2	.4	2.0	16.3	80.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	<1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.4	2.0	8.0	13.1	78.8	1530
06009	.8	2.2	7.9	14.0	78.1	1467
12015	2.2	4.9	13.9	18.9	67.3	1379
18021	1.4	3.4	11.6	20.4	68.0	1595
TOT	77	184	615	990	4361	5966
PCT	1.3	3.1	10.3	16.6	73.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	.0	.0	.0	9	.1
85/89	.0	.0	.1	.2	.4	.1	.0	.0	53	.9
80/84	.0	.1	.2	1.1	2.8	1.8	.5	.0	394	6.5
75/79	.0	.0	.3	1.6	8.0	10.3	5.6	.0	1570	26.0
70/74	.0	.1	.2	2.2	8.4	18.1	13.8	.0	2590	42.8
65/69	.0	.0	.1	.4	7.1	10.3	7.5	.0	1295	21.4
60/64	.0	.0	.0	.0	.2	1.0	1.1	.0	137	2.3
55/59	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
TOTAL	0	6	10	54	337	1391	2523	1724	6049	100.0
PCT	.0	.1	.2	1.0	5.6	23.0	41.7	28.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
85/89	.1	.0	.0	.0	.0	.0	.1	.5	.0	.0
80/84	.9	.2	.2	.5	.4	.2	.8	2.9	.0	.3
75/79	3.3	.6	.8	.8	.7	.8	3.7	14.1	.0	1.1
70/74	7.0	.9	.5	.6	.7	.8	4.7	26.7	.0	1.0
65/69	5.0	.4	.2	.1	.1	.3	1.1	13.8	.0	.5
60/64	.5	.0	.0	.0	.0	.0	.1	1.6	.0	.0
55/59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	16.9	2.1	1.4	2.1	1.9	2.1	10.5	59.6	.0	3.0

TABLE 15

MEANS, EXTREMES, AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	92	87	83	74	67	61	59	74.5
06009	91	80	78	71	65	61	60	71.3
12015	86	80	77	71	64	62	58	70.8
18021	92	85	81	74	67	64	55	74.2
TOT	92	84	81	72	66	63	55	72.7

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.7	9.0	31.1	42.0	16.2	81	1504		
06009	.0	.5	1.9	12.5	45.4	39.8	86	1562		
12015	.0	.7	1.9	13.5	40.3	43.7	86	1478		
18021	.0	2.0	9.6	34.6	39.2	14.7	80	1568		
TOT	0	75	347	1404	2549	1742	83	6112		

SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1982-1979

AREA 003 CENTRAL SAJA WEST
26.4N 110.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	53	57	61	65	69	73	77	81	85	89	TOT	% FOG	% FOG
56	60	64	68	72	76	80	84	88	92				
23/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
14/16	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	19	.0	.3
11/13	.0	.0	.0	.0	.0	.1	.3	.3	.1	.0	55	.0	.8
9/10	.0	.0	.0	.0	.2	.4	.4	.1	.0	.0	177	.1	1.5
7/8	.0	.0	.0	.0	.3	.7	.9	.5	.1	.0	171	.0	2.6
6	.0	.0	.0	.1	.2	.7	.7	.3	.1	.0	151	.0	2.2
5	.0	.0	.0	.1	.4	1.2	.9	.3	.1	.0	202	.1	3.0
4	.0	.0	.0	.3	1.0	1.6	1.3	.5	.0	.0	383	.1	5.1
3	.0	.0	.0	.3	1.2	1.7	1.2	.3	.0	.0	323	.1	4.7
2	.0	.0	.1	.4	2.0	2.6	1.7	.4	.0	.0	511	.2	7.4
1	.0	.0	.0	.9	2.3	2.5	1.3	.0	.0	.0	490	.2	7.1
0	.0	.0	.4	2.2	4.5	4.1	2.0	.3	.0	.0	894	.7	13.2
-1	.0	.0	.1	1.7	3.4	2.7	1.2	.1	.0	.0	618	.1	9.1
-2	.0	.0	.3	2.4	4.0	3.1	1.2	.2	.0	.0	752	.1	11.1
-3	.0	.0	.3	1.6	3.2	2.2	.8	.1	.0	.0	544	.2	8.0
-4	.0	.0	.3	1.8	2.7	2.0	.6	.1	.0	.0	497	.1	7.3
-5	.0	.0	.3	1.1	2.1	1.5	.5	.0	.0	.0	371	.0	5.5
-6	.0	.0	.2	.8	1.4	.7	.2	.0	.0	.0	220	.1	3.2
-7/-9	.0	.0	.3	.9	1.4	.6	.4	.0	.0	.0	254	.0	3.8
-9/-10	.0	.0	.0	.3	.6	.4	.1	.0	.0	.0	93	.0	1.4
-11/-13	.0	.0	.1	.1	.4	.0	.0	.0	.0	.0	44	.0	.4
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
-20/-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	1	174	2103	1053	247	9	662	120	4562				
PCT	.0	.1	2.6	15.4	31.5	29.4	15.8	4.3	.9	.1	100.0	1.4	46.2

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	.0	.0	.0	.0	.0	.2	.4	.0	.0	.0	.0	.2
1-2	.1	4.5	2.0	.0	.0	.0	6.6	.1	4.5	2.0	.0	.0	.0	6.6
3-4	.1	1.0	4.1	.1	.0	.0	6.0	.1	1.0	4.1	.1	.0	.0	6.0
5-6	.0	.4	2.4	.1	.0	.0	2.9	.0	.4	2.4	.1	.0	.0	2.9
7	.0	.1	1.1	.1	.0	.0	1.4	.0	.1	1.1	.1	.0	.0	1.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	7.4	9.6	.4	.0	.0	17.9	.1	1.1	.4	.0	.0	.0	1.5

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.2
1-2	.0	.4	.0	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	1.2
3-4	.0	.1	.1	.1	.0	.0	.3	.0	.1	.1	.1	.0	.0	.8
5-6	.0	.1	.3	.0	.0	.0	.4	.0	.1	.3	.0	.0	.0	.4
7	.0	.1	.1	.1	.0	.0	.2	.0	.1	.1	.1	.0	.0	.3
8-9	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.8	.6	.2	.1	.0	1.7	.1	1.1	1.7	.3	.0	.0	3.1

PERIOD: (OVER-ALL) 1963-1970

SEPTEMBER

AREA 001 CENTRAL BAJA WEST
26.0N 110.0W

TABLE 10 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-7	8-10	11-21	22-33	34-47	48+	PCT	1-7	8-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.1	.5	.3	.0	.0	2.1	.0	1.9	.6	.0	.0	.0	2.7

HGT	1-7	8-10	11-21	22-33	34-47	48+	PCT	1-7	8-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.6	.5	.0	.0	.0	3.5	.0	2.2	.4	.0	.0	.0	3.0	.0
3-4	.0	1.7	1.8	.1	.0	.0	3.6	.0	1.5	12.4	5.8	.0	.0	19.7	.0
5-6	.0	.3	.6	.0	.0	.0	.9	.0	.1	7.2	12.9	.0	.0	20.7	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	10.5	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	.5	.0	4.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.0	.9	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.4	3.3	.1	.1	.0	9.4	2.1	23.4	31.3	2.2	.1	.0	59.1	97.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	9.1
1-2	.0	.0	.0	.0	.0	.0	.0	36.1
3-4	.0	.0	.0	.0	.0	.0	.0	72.9
5-6	.0	.0	.0	.0	.0	.0	.0	15.0
7	.0	.0	.0	.0	.0	.0	.0	8.0
8-9	.0	.0	.0	.0	.0	.0	.0	1.4
10-11	.0	.0	.0	.0	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	6.4	41.8	47.7	3.4	.2	.0	100.0	1455

PERIOD: (OVER-ALL) 1969-1970

TABLE 10

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.4	13.9	19.3	9.3	3.2	1.2	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2680	1
6-7	.0	2.1	7.8	8.5	4.2	1.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1333	5
8-9	.0	.0	2.0	3.2	2.0	1.2	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	551	6
10-11	.0	.0	.0	.7	.7	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	190	6
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	105	6
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	69	7
INDET	2.4	1.5	1.6	1.1	.7	.2	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	533	1
TOTAL	26.4	1005	1719	1277	612	273	111	37	41	6	5	0	1	2	0	0	0	0	0	5353	4
PCT	4.4	16.8	22.1	23.4	11.4	5.1	2.1	.7	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1905-1979

OCTOBER

AREA 001 CENTRAL BAJA MEX
26.0N 110.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHNR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST SIG WEA
N	.3	.0	.3	.0	.0	.0	.0	.5	.3	.1	1.2	.1	3.6	.2 94.0
NE	3.2	.6	2.6	.0	.0	.0	.0	6.2	2.1	.5	.7	.0	4.1	.0 86.4
E	.8	1.9	2.1	.0	.0	.0	.0	4.8	4.2	.0	4.5	.0	3.2	.0 83.3
SE	3.2	1.4	1.4	.0	.0	.0	.0	5.4	1.1	.0	2.2	.0	3.2	.0 87.6
S	1.2	3.1	2.2	.0	.0	.0	1.2	6.5	.0	.0	1.9	.0	4.7	.0 87.0
SW	.2	.2	3.7	.0	.0	.0	.0	4.1	.0	.0	2.5	.0	5.8	.0 89.1
W	.9	.2	.9	.0	.0	.0	.0	2.0	1.7	.3	1.9	.0	5.0	.0 92.0
NW	.2	.0	.2	.0	.0	.0	.0	.4	.2	.1	1.8	.0	5.5	.0 92.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	12.4	.0 92.6
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	.1	.5	.0	.0	.0	.0	1.0	.5	.1	1.8	.0	5.1	.1 91.5
TOT OBS:	7070													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHNR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST SIG WEA
0000	.5	.2	.5	.0	.0	.0	.0	1.2	.5	.0	2.0	.1	7.3	.1 89.1
0600	.4	.1	.3	.0	.0	.0	.0	.4	.5	.1	1.3	.0	3.5	.1 93.7
1200	.4	.1	.6	.0	.0	.0	.0	1.1	.5	.3	1.7	.0	5.8	.0 92.6
1800	.3	.2	.5	.0	.0	.0	.0	.8	.5	.0	2.1	.1	5.8	.1 90.5
TOT PCT	.4	.1	.5	.0	.0	.0	.0	1.0	.5	.1	1.8	.0	5.1	.1 91.5
TOT OBS:	7172													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47				00	03	06	09	12	15	18	21
N	.7	9.8	9.6	.4	.0	20.6	11.3	14.7	20.4	19.1	16.9	22.6	25.2	25.3	25.8	
NE	.3	1.8	.8	.0	.0	2.9	9.0	1.4	7.2	2.0	1.7	3.0	1.5	5.1	2.8	
E	.5	.7	.2	.0	.0	1.2	7.7	.7	.5	1.1	.4	2.0	.2	1.4	1.7	
SE	.5	.7	.2	.0	.0	1.3	8.3	1.1	2.0	1.2	1.0	1.4	1.2	1.4	1.1	
S	.5	.6	.2	.0	.0	1.1	8.1	1.7	1.0	.9	1.4	.4	1.7	1.1	2.4	
SW	.5	1.0	.4	.0	.0	1.7	7.8	1.6	2.0	1.9	1.8	1.6	2.3	1.6	2.0	
W	.7	5.5	2.7	.2	.0	9.1	9.5	10.9	6.4	9.9	9.7	8.7	7.9	7.8	7.1	
NW	2.1	24.6	31.3	1.7	.0	59.7	11.9	87.0	87.8	62.2	65.1	54.7	58.0	53.7	54.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.3					2.3	.0	1.3	.7	1.8	2.7	3.8	1.9	2.8	.9	
TOT OBS	551	3419	3462	185	8	7629	11.0	1727	149	1709	180	1839	206	1900	221	
TOT PCT	7.2	44.8	45.4	2.4	.1	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40				00	03	06	12	18
N	4.1	13.6	2.4	.1	0	20.6	11.3	15.1	18.9	22.9	25.3	
NE	.9	1.8	.1	.0	.0	2.9	9.0	1.5	7.0	2.9	4.8	
E	.7	.5	.1	.0	.0	1.2	7.7	.7	1.0	1.0	1.5	
SE	.8	.4	.1	.0	.0	1.3	8.3	1.2	1.2	1.5	1.3	
S	.7	.3	.1	.0	.0	1.1	8.1	1.3	1.0	.9	1.3	
SW	.8	.8	.1	.0	.0	1.7	7.8	1.6	1.9	1.7	1.6	
W	3.1	5.2	.4	.0	.0	9.1	9.5	10.7	6.7	8.6	7.6	
NW	9.9	39.1	10.4	.2	.0	59.7	11.9	86.7	62.5	56.2	53.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.3					2.3	.0	1.2	1.9	3.6	2.6	
TOT OBS	1776	4709	1117	25	4	7629	11.0	1876	1888	1844	2071	
TOT PCT	23.3	61.7	14.6	.3	.1	100.0		100.0	100.0	100.0	100.0	

PERIOD: (PPIMARY) 1957-1979
(COVER-ALL) 1885-1979

OCTOBER

AREA 001 CENTRAL BAJA MEX
26.4N 114.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)					MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47			
0600	1.2	4.1	38.3	52.4	3.7	.2	.1	12.0	100.0
0600	1.9	4.4	43.0	47.6	3.0	.0	.1	11.4	100.0
1200	3.6	4.9	47.8	42.3	1.3	.0	.0	10.2	100.0
1800	2.6	5.9	49.8	39.6	1.7	.2	.1	10.3	100.0
TOT	1.78	3.73	34.19	34.62	1.85	.8	.4	11.0	7629
PCT	2.3	4.9	44.8	45.4	2.4	.1	.1	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	C-2	3-4	5-7	8-10	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	11.2	3.5	4.4	2.1	2.9	2.9
NE	1.4	.5	.5	.5	3.0	3.0
E	.4	.1	.3	.3	1.1	1.1
SE	.6	.3	.7	.7	2.3	2.3
S	.8	.2	.7	.1	1.8	1.8
SW	.7	.3	.4	.4	1.8	1.8
W	4.6	1.7	1.6	.4	8.3	8.3
NW	33.9	8.8	11.7	5.1	69.5	69.5
VAR	.0	.0	.0	.0	.0	.0
CALM	1.5	.7	.7	.7	4.6	4.6
TOT OBS	55.0	15.8	19.7	9.8	100.0	100.0
TOT PCT	55.0	15.8	19.7	9.8	100.0	100.0

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH, 24/8)
AND OCCURRENCE OF NH (5/8) BY WIND DIRECTION

WIND DIR	100	150	200	300	400	500	600	700	800	900	1000	1200	1400	1600	1800	2000	24/8	TOTAL
N	.2	.0	.2	1.1	1.4	1.1	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	10.1
NE	.0	.0	.2	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2
E	.0	.0	.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
SE	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
S	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
SW	.0	.0	.0	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
W	.1	.0	.1	.5	.8	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0
NW	.3	.1	.6	2.5	5.0	7.0	.9	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	60.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0
CALM	.1	.5	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	2.0
TOT OBS	10	66	280	499	250	94	30	16	14	4400	5780							5780
TOT PCT	.7	.7	1.1	4.8	8.6	4.5	1.6	.5	.3	.3	77.3							100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH, 24/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	≥ 0.6	≥ 0.8	≥ 1.0	≥ 1.2	≥ 1.4	≥ 1.6	≥ 1.8	≥ 2.0
≥ 0.6	.5	.5	.5	.5	.5	.5	.5	.5
≥ 0.8	.4	1.0	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1.0	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7
≥ 1.2	6.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 1.4	13.0	15.5	15.7	15.8	15.8	15.8	15.8	15.8
≥ 1.6	16.6	20.1	20.5	20.6	20.6	20.6	20.6	20.6
≥ 1.8	17.2	21.1	21.6	21.7	21.7	21.7	21.7	21.7
≥ 2.0	17.3	21.2	21.8	21.8	21.9	21.9	21.9	21.9
≥ 2.4	17.4	21.7	22.3	22.4	22.5	22.6	22.6	22.7
TOTAL	1017	1246	1305	1311	1316	1318	1320	1325

TOTAL NUMBER OF OBS: 5841

PCT FREQ NH (5/8): 77.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

C	1	2	3	4	5	6	7	8	OBS	TOTAL
37.8	17.4	11.0	4.8	5.9	4.4	5.0	5.8	4.8	.5	8190

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1885-1979

OCTOBER

AREA 001 CENTRAL BAJA MEX
26.4N 114.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT B	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT B	0	0	0	0	0	0	0	0	0	0	0	0
1<2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT B	0	0	0	0	0	0	0	0	0	0	0	0
2<5	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT B	0	0	0	0	0	0	0	0	0	0	0	0
5<10	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT B	0	0	0	0	0	0	0	0	0	0	0	0
10+	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT B	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS		20.8	2.4	1.3	1.3	1.1	1.7	9.1	59.6	0	2.3	100.0	7053
TOT PCT		20.8	2.4	1.3	1.3	1.1	1.7	9.1	59.6	0	2.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT B	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT B	0	0	0	0	0	0	0	0	0	0	0	0
1<2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT B	0	0	0	0	0	0	0	0	0	0	0	0
2<5	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT B	0	0	0	0	0	0	0	0	0	0	0	0
5<10	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT B	0	0	0	0	0	0	0	0	0	0	0	0
10+	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT B	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS		20.8	2.4	1.3	1.3	1.1	1.7	9.1	59.6	0	2.3	100.0	7364
TOT PCT		20.8	2.4	1.3	1.3	1.1	1.7	9.1	59.6	0	2.3	100.0	

OCTOBER

PERIOD: (PRIMARY) 1957-1974
(OVER-ALL) 1965-1974AREA 001 CENTRAL BAJA WEST
26.4N 110.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4781) AND
OCCURRENCE OF NH <578 BY HOUR

HOUR (GMT)	000	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	TOTAL OBS	NH <578 ANY HGT	TOTAL OBS
0000Z	.3	.3	.6	4.2	5.8	3.3	1.1	.6	.3	.2	16.6	87.4	1526										
0600Z	.5	.1	.9	3.6	6.3	3.0	1.1	.7	.2	.7	16.2	83.8	1514										
1201Z	1.5	.1	1.4	5.7	10.0	5.2	2.4	.4	.2	.5	27.5	72.5	1375										
1802Z	.7	.1	1.5	5.3	11.3	5.7	1.4	.7	.4	.2	27.5	72.5	1644										
TOT	.5	10	66	294	576	261	95	70	16	16	1279	4730	6059										
PCT	.7	.2	1.1	4.7	8.4	4.3	1.6	.5	.3	.3	21.9	78.1	100.0										

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000Z	.1	.3	.7	1.7	12.6	84.6	1822
0600Z	.4	.2	.1	1.8	12.0	85.6	1877
1201Z	.5	.3	.3	1.6	13.8	83.3	1403
1802Z	.3	.2	.4	1.9	12.3	84.9	1695
TOT	24	18	28	174	650	6343	7497
PCT	.3	.2	.4	1.8	12.7	84.6	100.0

TABLE 12

CUMULATIVE PCT FRQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4781) BY HOUR

HOUR (GMT)	<150 <500	150-400 400-1000	1000-10000 10000-AND 5+	NH <578 AND 5+	TOTAL OBS	
0000Z	.3	1.5	7.2	11.5	81.4	1467
0600Z	.6	1.7	6.5	11.7	82.2	1453
1201Z	1.6	3.4	10.1	19.0	70.9	1337
1802Z	.7	2.4	9.2	27.1	70.7	1504
TOT	.6	170	491	907	4457	5801
PCT	.8	2.2	8.2	15.5	76.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-24	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
85/89	.0	.0	.0	.0	.0	.0	.0	.0	36	.6
80/84	.0	.0	.1	.4	.9	1.6	.7	.1	220	3.7
75/79	.0	.0	.1	.9	2.3	6.7	4.7	1.7	1015	17.0
70/74	.0	.0	.2	.8	5.3	12.2	14.4	8.4	2495	41.8
65/69	.0	.0	.4	2.4	7.9	15.7	7.3	1.6	1869	31.3
60/64	.0	.0	.6	1.1	5.6	2.4	1.7	3.5	335	5.6
55/59	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
TOTAL	.0	.4	27	164	701	1727	2202	1152	5973	100.0
PCT	.0	.1	.5	2.4	11.7	28.8	36.4	19.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85/89	.2	.0	.0	.0	.0	.0	.0	.0	.2	.0
80/84	.5	.1	.1	.2	.1	.1	.5	1.0	.0	.2
75/79	3.2	.8	.2	.4	.3	.3	1.8	6.3	.0	.7
70/74	8.0	1.3	.6	.5	.4	.9	4.1	25.1	.0	.4
65/69	7.8	.8	.3	.2	.2	.3	2.2	19.1	.0	.5
60/64	1.4	.2	.2	.0	.0	.0	.3	3.0	.0	.1
55/59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	21.2	2.9	1.4	1.2	1.1	1.7	6.9	59.1	.0	2.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	91	85	81	72	64	60	72.6	1870	
0600Z	85	76	76	70	64	60	69.9	1404	
1201Z	84	79	76	69	63	61	59	69.1	1909
1802Z	91	84	81	72	66	63	59	72.6	2019
TOT	91	82	79	71	64	62	59	71.1	7662

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-24	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	5.2	15.1	35.0	37.3	11.4	77	1403		
0600Z	.0	1.2	7.5	21.4	41.2	26.7	83	1556		
1201Z	.0	1.2	7.0	20.3	41.1	28.4	93	1444		
1802Z	.0	5.3	17.3	38.2	28.3	10.9	76	1574		
TOT	.0	197	713	1747	2234	1166	80	6057		

OCTOBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1985-1979AREA (C) CENTRAL BAJA MEX
26.4N 114.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (CEC F) AND THE OCCURRENCE OF FOG (WITH/OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (CEC F)

AIR-SEA TEMP DIF	47	41	35	29	23	17	11	5	-1	-7	-13	-19	-25	-31	-37	-43	-49	-55	-61	-67	-73	-79	-85	-91	-97	-103	-109	-115	-121	-127	-133	-139	-145	-151	-157	-163	-169	-175	-181	-187	-193	-199	-205	-211	-217	-223	-229	-235	-241	-247	-253	-259	-265	-271	-277	-283	-289	-295	-301	-307	-313	-319	-325	-331	-337	-343	-349	-355	-361	-367	-373	-379	-385	-391	-397	-403	-409	-415	-421	-427	-433	-439	-445	-451	-457	-463	-469	-475	-481	-487	-493	-499	-505	-511	-517	-523	-529	-535	-541	-547	-553	-559	-565	-571	-577	-583	-589	-595	-601	-607	-613	-619	-625	-631	-637	-643	-649	-655	-661	-667	-673	-679	-685	-691	-697	-703	-709	-715	-721	-727	-733	-739	-745	-751	-757	-763	-769	-775	-781	-787	-793	-799	-805	-811	-817	-823	-829	-835	-841	-847	-853	-859	-865	-871	-877	-883	-889	-895	-901	-907	-913	-919	-925	-931	-937	-943	-949	-955	-961	-967	-973	-979	-985	-991	-997	-1003	-1009	-1015	-1021	-1027	-1033	-1039	-1045	-1051	-1057	-1063	-1069	-1075	-1081	-1087	-1093	-1099	-1105	-1111	-1117	-1123	-1129	-1135	-1141	-1147	-1153	-1159	-1165	-1171	-1177	-1183	-1189	-1195	-1201	-1207	-1213	-1219	-1225	-1231	-1237	-1243	-1249	-1255	-1261	-1267	-1273	-1279	-1285	-1291	-1297	-1303	-1309	-1315	-1321	-1327	-1333	-1339	-1345	-1351	-1357	-1363	-1369	-1375	-1381	-1387	-1393	-1399	-1405	-1411	-1417	-1423	-1429	-1435	-1441	-1447	-1453	-1459	-1465	-1471	-1477	-1483	-1489	-1495	-1501	-1507	-1513	-1519	-1525	-1531	-1537	-1543	-1549	-1555	-1561	-1567	-1573	-1579	-1585	-1591	-1597	-1603	-1609	-1615	-1621	-1627	-1633	-1639	-1645	-1651	-1657	-1663	-1669	-1675	-1681	-1687	-1693	-1699	-1705	-1711	-1717	-1723	-1729	-1735	-1741	-1747	-1753	-1759	-1765	-1771	-1777	-1783	-1789	-1795	-1801	-1807	-1813	-1819	-1825	-1831	-1837	-1843	-1849	-1855	-1861	-1867	-1873	-1879	-1885	-1891	-1897	-1903	-1909	-1915	-1921	-1927	-1933	-1939	-1945	-1951	-1957	-1963	-1969	-1975	-1981	-1987	-1993	-1999	-2005	-2011	-2017	-2023	-2029	-2035	-2041	-2047	-2053	-2059	-2065	-2071	-2077	-2083	-2089	-2095	-2101	-2107	-2113	-2119	-2125	-2131	-2137	-2143	-2149	-2155	-2161	-2167	-2173	-2179	-2185	-2191	-2197	-2203	-2209	-2215	-2221	-2227	-2233	-2239	-2245	-2251	-2257	-2263	-2269	-2275	-2281	-2287	-2293	-2299	-2305	-2311	-2317	-2323	-2329	-2335	-2341	-2347	-2353	-2359	-2365	-2371	-2377	-2383	-2389	-2395	-2401	-2407	-2413	-2419	-2425	-2431	-2437	-2443	-2449	-2455	-2461	-2467	-2473	-2479	-2485	-2491	-2497	-2503	-2509	-2515	-2521	-2527	-2533	-2539	-2545	-2551	-2557	-2563	-2569	-2575	-2581	-2587	-2593	-2599	-2605	-2611	-2617	-2623	-2629	-2635	-2641	-2647	-2653	-2659	-2665	-2671	-2677	-2683	-2689	-2695	-2701	-2707	-2713	-2719	-2725	-2731	-2737	-2743	-2749	-2755	-2761	-2767	-2773	-2779	-2785	-2791	-2797	-2803	-2809	-2815	-2821	-2827	-2833	-2839	-2845	-2851	-2857	-2863	-2869	-2875	-2881	-2887	-2893	-2899	-2905	-2911	-2917	-2923	-2929	-2935	-2941	-2947	-2953	-2959	-2965	-2971	-2977	-2983	-2989	-2995	-3001	-3007	-3013	-3019	-3025	-3031	-3037	-3043	-3049	-3055	-3061	-3067	-3073	-3079	-3085	-3091	-3097	-3103	-3109	-3115	-3121	-3127	-3133	-3139	-3145	-3151	-3157	-3163	-3169	-3175	-3181	-3187	-3193	-3199	-3205	-3211	-3217	-3223	-3229	-3235	-3241	-3247	-3253	-3259	-3265	-3271	-3277	-3283	-3289	-3295	-3301	-3307	-3313	-3319	-3325	-3331	-3337	-3343	-3349	-3355	-3361	-3367	-3373	-3379	-3385	-3391	-3397	-3403	-3409	-3415	-3421	-3427	-3433	-3439	-3445	-3451	-3457	-3463	-3469	-3475	-3481	-3487	-3493	-3499	-3505	-3511	-3517	-3523	-3529	-3535	-3541	-3547	-3553	-3559	-3565	-3571	-3577	-3583	-3589	-3595	-3601	-3607	-3613	-3619	-3625	-3631	-3637	-3643	-3649	-3655	-3661	-3667	-3673	-3679	-3685	-3691	-3697	-3703	-3709	-3715	-3721	-3727	-3733	-3739	-3745	-3751	-3757	-3763	-3769	-3775	-3781	-3787	-3793	-3799	-3805	-3811	-3817	-3823	-3829	-3835	-3841	-3847	-3853	-3859	-3865	-3871	-3877	-3883	-3889	-3895	-3901	-3907	-3913	-3919	-3925	-3931	-3937	-3943	-3949	-3955	-3961	-3967	-3973	-3979	-3985	-3991	-3997	-4003	-4009	-4015	-4021	-4027	-4033	-4039	-4045	-4051	-4057	-4063	-4069	-4075	-4081	-4087	-4093	-4099	-4105	-4111	-4117	-4123	-4129	-4135	-4141	-4147	-4153	-4159	-4165	-4171	-4177	-4183	-4189	-4195	-4201	-4207	-4213	-4219	-4225	-4231	-4237	-4243	-4249	-4255	-4261	-4267	-4273	-4279	-4285	-4291	-4297	-4303	-4309	-4315	-4321	-4327	-4333	-4339	-4345	-4351	-4357	-4363	-4369	-4375	-4381	-4387	-4393	-4399	-4405	-4411	-4417	-4423	-4429	-4435	-4441	-4447	-4453	-4459	-4465	-4471	-4477	-4483	-4489	-4495	-4501	-4507	-4513	-4519	-4525	-4531	-4537	-4543	-4549	-4555	-4561	-4567	-4573	-4579	-4585	-4591	-4597	-4603	-4609	-4615	-4621	-4627	-4633	-4639	-4645	-4651	-4657	-4663	-4669	-4675	-4681	-4687	-4693	-4699	-4705	-4711	-4717	-4723	-4729	-4735	-4741	-4747	-4753	-4759	-4765	-4771	-4777	-4783	-4789	-4795	-4801	-4807	-4813	-4819	-4825	-4831	-4837	-4843	-4849	-4855	-4861	-4867	-4873	-4879	-4885	-4891	-4897	-4903	-4909	-4915	-4921	-4927	-4933	-4939	-4945	-4951	-4957	-4963	-4969	-4975	-4981	-4987	-4993	-4999	-5005	-5011	-5017	-5023	-5029	-5035	-5041	-5047	-5053	-5059	-5065	-5071	-5077	-5083	-5089	-5095	-5101	-5107	-5113	-5119	-5125	-5131	-5137	-5143	-5149	-5155	-5161	-5167	-5173	-5179	-5185	-5191	-5197	-5203	-5209	-5215	-5221	-5227	-5233	-5239	-5245	-5251	-5257	-5263	-5269	-5275	-5281	-5287	-5293	-5299	-5305	-5311	-5317	-5323	-5329	-5335	-5341	-5347	-5353	-5359	-5365	-5371	-5377	-5383	-5389	-5395	-5401	-5407	-5413	-5419	-5425	-5431	-5437	-5443	-5449	-5455	-5461	-5467	-5473	-5479	-5485	-5491	-5497	-5503	-5509	-5515	-5521	-5527	-5533	-5539	-5545	-5551	-5557	-5563	-5569	-5575	-5581	-5587	-5593	-5599	-5605	-5611	-5617	-5623	-5629	-5635	-5641	-5647	-5653	-5659	-5665	-5671	-5677	-5683	-5689	-5695	-5701	-5707	-5713	-5719	-5725	-5731	-5737	-5743	-5749	-5755	-5761	-5767	-5773	-5779	-5785	-5791	-5797	-5803	-5809	-5815	-5821	-5827	-5833	-5839	-5845	-5851	-5857	-5863	-5869	-5875	-5881	-5887	-5893	-5899	-5905	-5911	-5917	-5923	-5929	-5935	-5941	-5947	-5953	-5959	-5965	-5971	-5977	-5983	-5989	-5995	-6001	-6007	-6013	-6019	-6025	-6031	-6037	-6043	-6049	-6055	-6061	-6067	-6073	-6079	-6085	-6091	-6097	-6103	-6109	-6115	-6121	-6127	-6133	-6139	-6145	-6151	-6157	-6163	-6169	-6175	-6181	-6187	-6193	-6199	-6205	-6211	-6217	-6223	-6229	-6235	-6241	-6247	-6253	-6259	-6265	-6271	-6277	-6283	-6289	-6295	-6301	-6307	-6313	-6319	-6325	-6331	-6337	-6343	-6349	-6355	-6361	-6367	-6373	-6379	-6385	-6391	-6397	-6403	-6409	-6415	-6421	-6427	-6433	-6439	-6445	-6451	-6457	-6463	-6469	-6475	-6481	-6487	-6493	-6499	-6505	-6511	-6517	-6523	-6529	-6535	-6541	-6547	-6553	-6559	-6565	-6571	-6577	-6583	-6589	-6595	-6601	-6607	-6613	-6619	-6625	-6631	-6637	-6643	-6649	-6655	-6661	-6667	-6673	-6679	-6685	-6691	-6697	-6703	-6709	-6715	-6721	-6727	-6733	-6739	-6745	-6751	-6757	-6763	-6769	-6775	-6781	-6787	-6793	-6799	-6805	-6811	-6817	-6823	-6829	-6835	-6841	-6847	-6853	-6859	-6865	-6871	-6877	-6883	-6889	-6895	-6901	-6907	-6913	-6919	-6925	-6931	-6937	-6943	-6949	-6955	-6961	-6967	-6973	-6979	-6985	-6991	-6997	-7003	-7009	-7015	-7021	-7027	-7033	-7039	-7045	-7051	-7057	-7063	-7069	-7075	-7081	-7087	-7093	-7099	-7105	-7111	-7117	-7123	-7129	-7135	-7141	-7147	-7153	-7159	-7165	-7171	-7177	-7183	-7189	-7195	-7201	-7207	-7213	-7219	-7225	-7231	-7237	-7243	-7249	-7255	-7261	-7267	-7273	-7279	-7285	-7291	-7297	-7303	-7309	-7315	-7321	-7327	-7333	-7339	-7345	-7351	-7357	-7363	-7369	-7375	-7381	-7387	-7393	-7399	-7405	-7411	-7417	-7423	-7429	-7435	-7441	-7447	-7453	-7459	-7465	-7471	-7477	-7483	-7489	-7495	-7501	-7507	-7513	-7519	-7525	-7531	-7537	-7543	-7549	-7555	-7561	-7567	-7573	-7579	-7585	-7591	-7597	-7603	-7609	-7615	-7621	-7627	-7633	-7639	-7645	-7651	-7657	-7663	-7669	-7675	-7681	-7687	-7693	-7699	-7705	-7711	-7717	-7723	-7729	-7735	-7741	-7747	-7753	-7759	-7765	-7771	-7777	-7783	-7789	-7795	-7801	-7807	-7813	-7819	-7825	-7831	-7837	-7843	-7849	-7855	-7861	-7867	-7873	-7879	-7885	-7891	-7897	-7903	-7909	-7915	-7921	-7927	-7933	-7939	-7945	-7951	-7957	-7963	-7969	-7975	-7981	-7987	-7993	-7999	-8005	-8011	-8017	-8023	-8029	-8035	-8041	-8047	-8053	-8059	-8065	-8071	-8077	-8083	-8089	-8095	-8101	-8107	-8113	-8119	-8125	-8131
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PERIOD: 1047-1111 1947-1979

SECTION

DATA 001 CENTRAL POLA WEST
26.00N 110.00E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHT (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33-40	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41-48	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71-86	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT PCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33-40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41-48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71-86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT PCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WIND SPEED INTSI VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
01	0	0	0	0	0	0	0	0
1-2	0	0	0	0	0	0	0	0
3-4	0	0	0	0	0	0	0	0
5-6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8-9	0	0	0	0	0	0	0	0
10-11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13-16	0	0	0	0	0	0	0	0
17-19	0	0	0	0	0	0	0	0
20-22	0	0	0	0	0	0	0	0
23-25	0	0	0	0	0	0	0	0
26-32	0	0	0	0	0	0	0	0
33-40	0	0	0	0	0	0	0	0
41-48	0	0	0	0	0	0	0	0
49-60	0	0	0	0	0	0	0	0
61-70	0	0	0	0	0	0	0	0
71-86	0	0	0	0	0	0	0	0
87+	0	0	0	0	0	0	0	0
TOT PCT	0	0	0	0	0	0	0	0

PERIOD: 1049-1111 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	01	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
06	2.8	14.7	18.6	9.8	2.3	1.7	1.3	1.1	0	0	0	0	0	0	0	0	0	0	0	2629	7
6-7	1.1	2.4	6.9	9.1	4.5	1.2	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	1834	5
8-9	0	0	2.5	3.2	1.9	1.0	1.4	1.2	0	0	0	0	0	0	0	0	0	0	0	551	6
10-11	0	0	1.1	1.8	1.5	1.6	1.2	1.0	0	0	0	0	0	0	0	0	0	0	0	219	5
12-13	0	0	0	1.4	1.3	1.1	1.0	1.0	0	0	0	0	0	0	0	0	0	0	0	91	5
13-15	0	0	0	0	1.3	1.2	1.0	1.0	0	0	0	0	0	0	0	0	0	0	0	66	7
16-17	2.2	1.3	1.4	1.4	1.4	1.1	1.1	1.0	1.1	1.0	0	0	0	0	0	0	0	0	0	350	3
TOTAL	264	1044	1792	1313	564	217	77	20	1	5	1	2	1	0	0	0	0	0	0	5322	6
PCT	5.1	19.6	33.5	24.7	10.5	4.1	1.4	1.5	1.1	1.1	0	0	0	0	0	0	0	0	0	100.0	

NOVEMBER

PERIOD: (PPH) 1951-1976
(COVER-ALL) 1881-1976

AREA 001 CENTRAL NAJIA WEST
26.3N 114.3E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN Snow	DRZ	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIR	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE BLNG	SPRAY DUST BLNG SNOW	NO SIG WEA
N	.4	.1	.2	.0	.0	.0	.0	.6	.3	.1	1.2	.0	1.4	.1	96.3
NE	.4	.1	1.2	.0	.0	.0	.0	2.0	.9	.1	.6	.0	1.3	.0	95.0
E	.4	.4	1.4	.0	.0	.0	.0	3.0	1.4	.0	1.2	.0	2.4	.0	91.2
SE	2.1	2.1	1.3	.0	.0	.0	.0	5.6	1.1	1.1	2.1	.0	1.3	.0	88.9
S	1.1	.0	2.0	.0	.0	.0	.0	3.1	4.6	.0	2.5	.0	1.7	1.1	86.6
SW	1.6	.0	.0	.0	.0	.0	.0	1.6	.0	.0	2.4	.0	1.4	.0	94.6
W	.0	.5	.2	.0	.0	.0	.0	.7	.0	.0	1.5	.0	2.5	.0	94.5
NW	.1	.1	.2	.0	.0	.0	.0	.5	.2	.1	.6	.0	2.5	.0	96.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.4	.0	.0	.0	.0	.4	.0	1.8	1.8	.0	4.6	.0	90.2
TOT PCT	.3	.2	.3	.0	.0	.0	.0	.7	.4	.2	1.0	.0	2.2	.0	95.5
TOT OBS:	6636														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN MMH	DRZ	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIR	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE BLNG	SPRAY DUST SNOW	NO SIG WEA
0000	.5	.1	.2	.0	.0	.0	.0	.9	.2	.2	1.3	.0	1.2	.1	94.1
0600	.4	.1	.5	.0	.0	.0	.0	1.0	.5	.1	1.0	.0	2.7	.0	95.3
1200	.0	.0	.0	.0	.0	.0	.0	.5	.0	.3	1.2	.1	1.2	.0	96.2
1800	.2	.1	.7	.0	.0	.0	.0	.5	.4	.1	.8	.1	2.1	.1	96.0
TOT PCT	.3	.1	.3	.0	.0	.0	.0	.7	.4	.1	1.1	.0	2.2	.0	95.4
TOT OBS:	6718														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	0-7	WIND SPEED (KNOTS)						48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
		8-10	11-21	22-33	34-47		00					03	06	09	12	15	18	21	
N	1.4	12.4	11.4	.7	.0	.0		26.7	11.0		21.2	20.9	24.1	23.7	24.7	35.8	31.6	34.2	
NE	.4	3.4	1.5	.2	.1	.0		5.9	9.7		2.8	2.4	4.7	6.0	6.3	8.2	9.4	7.3	
E	.4	.9	.3	.0	.0	.0		1.8	7.0		.4	.6	1.4	.5	2.0	.9	3.4	3.4	
SE	.7	.9	.1	.0	.0	.0		1.4	6.4		.9	1.9	1.3	1.2	1.4	.6	1.7	1.5	
S	.2	.6	.2	.0	.0	.0		1.3	6.6		1.0	1.1	1.2	2.0	1.4	.5	1.4	.0	
SW	.5	1.1	.0	.0	.0	.0		1.9	6.6		2.7	4.6	1.4	3.2	1.7	2.0	1.2	1.9	
W	1.1	4.4	1.2	.0	.0	.0		6.8	7.7		9.4	12.1	6.1	10.8	5.6	5.0	5.5	4.7	
NW	2.3	24.6	22.0	1.7	.0	.0		50.3	11.2		58.2	48.2	55.9	47.6	47.6	41.5	42.7	43.0	
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
CALM	4.0	.0	.0	.0	.0	.0		4.0	.0		3.2	7.6	3.4	4.9	5.0	4.5	3.6	1.9	
TOT OBS	801	3554	2682	144	8	0		7215			1638	157	1588	187	1562	201	1651	233	
TOT PCT	11.1	49.3	37.2	2.3	.1	.0		100.0	10.1		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 4A

WIND DIR	0-6	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
		7-16	17-27	28-40	CG F3					00 09	12 15	18 21		
N	6.1	10.9	3.7	.1	.0		26.7	11.0	21.2	24.0	29.5	31.9		
NE	2.1	3.2	.5	.1	.0		5.9	9.7	2.8	4.9	6.5	9.2		
E	1.0	.8	.0	.0	.0		1.8	7.0	.5	1.3	1.9	3.4		
SE	.4	.5	.0	.0	.0		1.4	6.4	1.0	1.3	1.7	1.6		
S	.7	.5	.0	.0	.0		1.3	6.6	1.0	1.3	1.5	1.2		
SW	1.0	.8	.0	.0	.0		1.9	6.6	2.9	2.0	1.4	1.3		
W	3.1	3.4	.3	.0	.0		6.8	7.7	9.7	6.6	5.5	5.4		
NW	10.4	32.3	7.4	.1	.0		50.3	11.2	57.3	55.0	47.0	42.3		
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		
CALM	4.0	.0	.0	.0	.0		4.0	.0	3.6	3.7	5.0	3.6		
TOT OBS	7110	4219	859	24	1	7215		10.1	1745	1773	1783	1884		
TOT PCT	29.2	58.5	11.9	.4	.0		100.0		100.0	100.0	100.0	100.0		

NOVEMBER

PERIOD: (PRIMARY) 1957-1979
(COVER-ALL) 1961-1979

AREA: 001 CENTRAL OLAH WEST
26.3N 114.3E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				ALL	MEAN	PCT	TOTAL
				11-20	21-30	31-40	41-50				
0000	3.0	6.0	40.0	40.0	1.0	0	0	10.0	10.0	17.0	
0400	3.7	5.0	40.0	40.0	2.0	0	0	10.0	10.0	17.7	
1200	5.0	7.7	50.0	30.0	2.0	0	0	0.0	0.0	17.7	
1800	3.0	0.7	51.2	30.0	2.1	0	0	0.7	10.0	10.0	
TOT	20.0	51.0	30.0	20.0	10.0	0	0	10.0	10.0	70.0	
PCT	0.0	7.3	40.0	20.0	2.3	0	0	10.0	10.0	10.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-7	8-10	11-15	16-20	TOTAL	PCT
N	15.0	1.7	4.0	2.7	2.0	0
NE	3.0	0	1.0	0	2.0	0
E	1.0	0	0	0	2.0	0
SE	0	0	0	0	0	0
S	0	0	0	0	0	0
SW	0	0	0	0	0	0
W	0	0	0	0	0	0
NW	27.0	0	11.0	0	2.0	0
VAR	0	0	0	0	0	0
CALM	2.1	0	0	0	2.0	0
TOT OBS	20.0	0	11.0	0	53.0	2.0
TOT PCT	55.0	15.1	20.7	0	100.0	0

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, M, 2000)
AND OCCURRENCE OF WIND BY WIND DIRECTION

WIND DIR	0-7	8-10	11-15	16-20	TOTAL	PCT
N	15.0	1.7	4.0	2.7	2.0	0
NE	3.0	0	1.0	0	2.0	0
E	1.0	0	0	0	2.0	0
SE	0	0	0	0	0	0
S	0	0	0	0	0	0
SW	0	0	0	0	0	0
W	0	0	0	0	0	0
NW	27.0	0	11.0	0	2.0	0
VAR	0	0	0	0	0	0
CALM	2.1	0	0	0	2.0	0
TOT OBS	20.0	0	11.0	0	53.0	2.0
TOT PCT	55.0	15.1	20.7	0	100.0	0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (FT, M, 2000) AND WIND (KNT)

CEILING (FT)	0-7	8-10	11-15	16-20	TOTAL	PCT
0-7	15.0	1.7	4.0	2.7	2.0	0
8-10	3.0	0	1.0	0	2.0	0
11-15	1.0	0	0	0	2.0	0
16-20	0	0	0	0	0	0
TOTAL	20.0	0	11.0	0	53.0	2.0

TOTAL NUMBER OF OBS: 5354

PCT FREQ WIND (KNT): 80.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	P	OBS
42.1	12.5	10.0	8.5	6.3	4.3	4.0	5.3	5.3	50.0

PERIOD: JANUARY 1952-1974
 OBSERVATION: 1962-1974

SUMMARY

AREA: 101 (CENTRAL FOUR WETS)
 78.7% 114.7%

TABLE 3

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-DETERMINED OF
 PRECIPITATION WITH VARYING VALUES OF VISIBILITY

WSPR (MP)	N	NE	E	SE	S	SW	W	NW	VEP	CLM	PPT	TOTAL CPS
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
510	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OPS	26.6	5.0	1.8	1.4	1.3	1.9	6.7	50.5	.0	3.8	100.0	6078
TOT PPT	26.6	5.0	1.8	1.4	1.3	1.9	6.7	50.5	.0	3.8	100.0	6078

TABLE 4

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
 WITH VARYING VALUES OF VISIBILITY

WSPR (MP)	SFG WTS	N	NE	E	SE	S	SW	W	NW	VEP	CLM	PPT	TOTAL CPS
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
142	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
510	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
0-3	11.3	3.4	2.2	2.2	2.5	1.0	2.0	.0	1.3	9.3	.0	.0	.0
4-10	11.6	3.1	2.9	2.7	1.0	3.9	22.6	.0	.0	.0	.0	.0	.0
11-21	10.9	1.5	1.1	1.2	2.2	1.1	20.4	.0	.0	.0	.0	.0	.0
22+	4.7	2.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0
TOT %	24.5	5.3	1.6	1.1	1.0	1.7	6.0	46.3	.0	3.3	90.8	.0	.0
TOT OPS	26.6	5.0	1.8	1.4	1.3	1.9	6.7	50.5	.0	3.8	100.0	6078	6078
TOT PPT	26.6	5.0	1.8	1.4	1.3	1.9	6.7	50.5	.0	3.8	100.0	6078	6078

[illegible]

CUMULATIVE PCT FREE OF DAMAGES OF VSDY (3M) AND/OR
CEILING NOT EFFECTIVE 30/01/07 MCLD

LOCUS (kb)	11.7	12.4	13.2	24.5	54.1	100	100
DEU1	0.6	0	0.2	0	0.2	90.0	17
DEU2	0.2	0.1	0.3	0	0.2	90.3	17
DEU3	0.2	0	0.2	0.2	0.1	90.7	17
DEU4	0.2	0.1	0.3	0.4	0.2	91.3	18
PT	17	0	22	33	57	636	70
PT	0.2	0	0.3	0.1	0.1	90.0	10

TABLE 12

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP											TOTAL	PCT
TEMP - F	0-20	20-30	30-40	40-50	50-60	60-70	70-79	80-89	90-100	OBS	FREQ	
85/86	.0	.0	.0	.0	.1	.0	.0	.0	.0	9	1.0	
80/84	.0	.0	.0	.0	.0	.1	.1	.0	.0	56	14.0	
75/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	4.3	
70/76	.0	.0	.0	.4	2.1	6.6	10.4	9.3	2.9	1773	32.2	
65/69	.0	.0	.0	.7	6.1	17.2	14.4	6.4	23.0	42.3		
60/64	.0	.0	.0	.1	.0	2.8	4.4	5.4	2.9	909	16.5	
55/54	.0	.0	.0	.0	.0	.0	.0	.1	.2	49	.9	
50/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.1	
TOTAL	1	0	0	4	16.4	19.7	14.2	16.0	6.0	5507	100.0	
PCT	.0	.0	.0	1.2	6.6	10.3	10.4	9.3	12.7			

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP										
N	NE	E	SE	S	SW	W	NW	VAR	CALM	
0	0	0	0	0	0	0	0	0	0	0
3	1	0	0	0	0	1	1	0	0	0
15	4	2	2	2	2	5	4	0	0	1
79	20	7	0	0	0	25	15	0	0	1
123	20	0	7	5	0	26	21	0	0	1
48	10	1	1	1	2	6	9	0	0	0
3	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0
272	56	18	15	14	18	63	50	0	0	35

TABLE 15

MEANS, FREQUENCIES, AND PERCENTILES OF TEMP (DEG F) BY HOUR									
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL FES
0000*	88	84	78	72	63	61	55	60.4	1796
0600*	81	76	71	67	61	56	54	67.4	1788
1200*	82	76	71	67	61	56	54	66.8	1774
1800*	81	76	71	70	63	58	54	66.8	1774
TOT	88	80	76	68	62	56	54	66.5	7206

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR								
HCUR (GMT)	0-29	30-59	60-89	90-70	80-89	90-100	MEAN	TOTAL OBS
0000	.1	9.7	25.1	33.5	26.3	7.9	74	1377
0600	.0	6.6	11.7	26.7	35.6	17.9	70	1451
1200	.0	4.9	11.9	29.5	37.5	18.1	79	1538
1800	.1	11.1	21.8	35.9	26.4	7.7	73	1417
2400	.1	4.9	10.0	10.7	17.0	70.3	76	556

NEUMPER

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1963-1976

AREA: (C) CENTRAL HALL WEST
28.3N 118.9E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (TEMP. F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (TEMP. F)

TEMP. DIFF	54	57	60	63	66	69	72	75	78	81	84	87	90	TOT	%	FOG
27-29	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
29-32	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
32-34	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
34-36	0	0	0	0	0	0	0	0	0	0	0	0	0	71	0	0
36-38	0	0	0	0	0	0	0	0	0	0	0	0	0	63	0	0
38-40	0	0	0	0	0	0	0	0	0	0	0	0	0	52	0	0
40-42	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0
42-44	0	0	0	0	0	0	0	0	0	0	0	0	0	85	0	0
44-46	0	0	0	0	0	0	0	0	0	0	0	0	0	136	0	0
46-48	0	0	0	0	0	0	0	0	0	0	0	0	0	105	0	0
48-50	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0	0
50-52	0	0	0	0	0	0	0	0	0	0	0	0	0	356	0	0
52-54	0	0	0	0	0	0	0	0	0	0	0	0	0	552	0	0
54-56	0	0	0	0	0	0	0	0	0	0	0	0	0	703	0	0
56-58	0	0	0	0	0	0	0	0	0	0	0	0	0	587	0	0
58-60	0	0	0	0	0	0	0	0	0	0	0	0	0	765	0	0
60-62	0	0	0	0	0	0	0	0	0	0	0	0	0	576	0	0
62-64	0	0	0	0	0	0	0	0	0	0	0	0	0	841	0	0
64-66	0	0	0	0	0	0	0	0	0	0	0	0	0	679	0	0
66-68	0	0	0	0	0	0	0	0	0	0	0	0	0	768	0	0
68-70	0	0	0	0	0	0	0	0	0	0	0	0	0	592	0	0
70-72	0	0	0	0	0	0	0	0	0	0	0	0	0	172	0	0
72-74	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0
74-76	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0
76-78	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0
78-80	0	0	0	0	0	0	0	0	0	0	0	0	0	63	0	0
TOTAL	5	5	5	5	5	5	5	5	5	5	5	5	5	1909	177	14
PCT	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	81%	100%	1.1

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-5	6-10	11-21	22-33	34-47	48-60	PCT	1-5	6-10	11-21	22-33	34-47	48-60	PCT
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PERIOD: (OVER-ALL) 1963-1979

DECEMBER

APFA 001 CENTRAL RAJA WEST
26.44 114.36

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.0	.0	.0	.0	.4	.1	.5	.0	.0	.0	.0	.6
1-2	.1	.3	.0	.0	.0	.0	.4	.0	.4	.2	.0	.0	.0	.8
3-4	.1	.1	.2	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.5
5-6	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.6	.3	.0	.0	.0	1.2	.1	1.3	.8	.0	.0	.0	2.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.2	1.3	.0	.0	.0	.0	1.5	.6	3.2	.0	.0	.0	.0	3.8	
1-2	.1	2.0	.7	.0	.0	.0	2.7	.7	9.3	1.7	.0	.0	.0	13.7	
3-4	.0	1.0	1.2	.1	.0	.0	2.3	.0	5.7	7.4	.2	.0	.0	13.8	
5-6	.0	.2	.1	.1	.0	.0	1.2	.1	1.5	6.4	.7	.0	.0	8.8	
7	.0	.0	.1	.0	.0	.0	.1	.0	.2	1.9	.4	.0	.0	2.5	
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.1	.5	.1	.0	.0	.8	
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	.1	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	4.6	1.0	.2	.0	.0	8.1	1.4	20.1	18.7	1.5	.0	.0	41.8	96.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.2	8.3	.1	.0	.0	.0	.0	13.6
1-2	2.3	21.9	8.1	.0	.0	.0	.0	34.3
3-4	.2	12.1	17.9	.7	.0	.0	.0	30.9
5-6	.1	2.9	9.5	1.8	.0	.0	.0	14.2
7	.0	.5	2.9	.9	.0	.0	.0	4.3
8-9	.0	.3	1.0	.4	.0	.0	.0	1.7
10-11	.0	.0	.4	.1	.1	.0	.0	.6
12	.0	.0	.1	.0	.0	.0	.0	.1
13-16	.0	.0	.1	.0	.0	.0	.0	.1
17-19	.0	.0	.0	.1	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	7.8	48.2	40.0	3.9	.1	.0	100.0	1477

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT	
<6	4.4	17.5	19.0	7.7	2.6	1.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2386	3
6-7	.0	2.4	7.5	6.7	2.9	1.4	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	687	5
8-9	.0	.7	1.9	2.9	2.0	1.1	.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	430	6
10-11	.0	.5	.6	.6	.7	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	144	6
12-13	.0	.0	.8	.6	.6	.2	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	113	6
>13	.0	.0	.0	.4	.3	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	48	6
INDET	4.7	1.4	1.5	.7	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4526	4
TOTAL	412	1016	1414	886	433	192	85	24	45	6	3	2	4	0	0	0	0	0	0	0	4526	4
PCT	9.1	22.4	31.3	19.6	9.6	4.2	1.9	.5	1.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	100.0	4

DECEMBER

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1960-1979

AREA: C01 (CENTRAL FLA) WEST
T01A0 114.36

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WL PCPN	FGG WL PCPN PAST HR	SPRDE	SPRDE	PLUG DUST	PLUG DUST	WFA
N	.4	.1	.2	.4	.0	.0	.0	.0	.2	.1	.5	.1	.4	.1	.0	.0	95.4
NE	1.0	.1	.3	.0	.0	.0	.0	1.4	.4	.0	.4	.0	.4	.0	.0	.0	98.4
E	.5	1.3	1.5	.0	.0	.0	.0	3.3	1.9	.0	.4	.4	.4	.0	.0	.0	92.4
SE	4.0	1.8	2.0	.0	.0	.0	.0	7.7	3.3	.0	1.2	.2	.4	.0	.0	.0	86.3
S	4.5	3.0	1.0	.0	.0	.0	.0	7.4	1.7	.0	1.7	2.0	1.0	.0	.0	.0	86.1
SW	2.7	.8	2.0	.0	.0	.0	.0	5.2	2.7	.0	1.0	.4	1.6	.0	.0	.0	88.6
W	2.1	.6	.8	.0	.0	.0	.0	3.2	1.8	.4	.6	.2	.6	.0	.0	.0	83.4
NW	.5	.1	.2	.0	.0	.0	.0	.8	.4	.3	.6	.1	1.4	.0	.0	.0	96.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	95.0
CALM	.0	.0	1.5	.0	.0	.0	.0	1.5	.4	.0	1.2	.0	1.6	.0	.0	.0	95.0
TOT PCT	.7	.3	.4	.0	.0	.0	.0	1.4	.4	.1	.7	.1	1.4	.0	.0	.0	95.7
TOT OBS:	6022																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WL PCPN	FGG WL PCPN PAST HR	SPRDE	SPRDE	PLUG DUST	PLUG DUST	WFA
0000	.5	.3	.3	.0	.0	.0	.0	1.0	.4	.0	.8	.1	1.4	.1	.0	.0	95.0
0600	1.0	.2	.2	.0	.0	.0	.0	1.3	.6	.3	.7	.1	1.4	.1	.0	.0	95.4
1200	.8	.2	.8	.0	.0	.0	.0	1.6	.4	.1	.8	.1	.4	.0	.0	.0	96.2
1800	.8	.4	.6	.0	.0	.0	.0	1.7	.6	.0	.7	.2	1.5	.0	.0	.0	95.3
TOT PCT	.6	.3	.5	.0	.0	.0	.0	1.4	.6	.1	.7	.1	1.4	.0	.0	.0	95.0
TOT OBS:	6112																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)									
	0-3	4-10	11-21	22-33	34-47	48+	0				00	03	06	09	12	15	18	21		
N	1.4	13.8	11.6	1.3	.0	.0	.0	28.0	11.2	24.6	27.8	26.9	25.9	29.4	30.8	24.4	31.3			
NE	.6	5.1	3.6	.6	.0	.0	.0	9.9	11.1	5.4	5.3	8.0	10.9	10.4	12.0	14.1	14.1			
E	.4	2.0	.8	.0	.0	.0	.0	3.3	8.4	1.4	1.4	2.4	1.6	1.4	2.0	4.1	6.4			
SE	.6	1.0	.4	.0	.0	.0	.0	2.0	7.2	1.7	4.2	1.7	1.1	1.7	1.5	2.1	4.1			
S	.7	1.1	.3	.0	.0	.0	.0	1.8	7.8	1.7	.0	1.8	2.4	1.4	1.2	2.0	1.4			
SW	.2	1.4	.5	.0	.0	.0	.0	2.2	8.6	2.1	1.4	2.0	2.4	1.4	4.7	1.4	2.5			
W	.5	4.1	1.7	.1	.0	.0	.0	6.4	9.0	7.1	6.5	7.1	4.4	4.2	4.4	6.7	4.5			
NW	2.2	21.0	17.4	1.7	.0	.0	.0	42.0	10.9	49.4	45.5	45.1	35.1	40.3	38.0	35.5	28.0			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CALM	4.5							4.5	.0	5.5	5.6	4.5	4.4	4.1	2.3	7.4	4.4			
TOT OBS	709	3242	2382	207	6	0	4546	10.1		1462	104	1410	137	1433	171	1444	103			
TOT PCT	10.4	49.5	36.4	3.7	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+	0	0				00	06	12	18
N	6.4	17.1	4.2	.2	.0	.0	.0	28.0	11.2	24.6	26.8	29.4	30.8	24.4
NE	2.6	5.6	1.5	.2	.0	.0	.0	9.9	11.1	5.4	5.3	8.0	10.9	14.1
E	1.4	1.7	.2	.0	.0	.0	.0	3.3	8.4	1.4	1.4	2.4	1.6	4.1
SE	1.1	.8	.1	.0	.0	.0	.0	2.0	7.2	1.7	4.2	1.7	1.1	1.5
S	.8	.4	.1	.0	.0	.0	.0	1.8	7.8	1.7	.0	1.8	2.4	1.4
SW	.9	1.1	.2	.0	.0	.0	.0	2.2	8.6	2.1	1.4	2.0	2.4	1.4
W	2.5	3.4	.5	.0	.0	.0	.0	6.4	9.0	7.1	6.5	7.1	4.4	4.2
NW	9.8	26.4	5.6	.3	.0	.0	.0	42.0	10.9	49.4	45.5	45.1	35.1	40.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.5							4.5	.0	5.5	5.6	4.5	4.4	4.1
TOT OBS	1970	1721	812	43	0	6544		10.1		1462	104	1410	137	1433
TOT PCT	30.1	56.4	12.4	.7	.0			100.0		100.0	100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1967-1979

ANNUAL

AREA 001 CENTRAL RAJA WEST
76.4N 114.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000	2.1	4.4	39.4	56.2	4.7	.1	*	12.0	100.0	22157
0400	2.7	4.4	40.6	48.2	4.0	.1	*	11.7	100.0	22040
1215	4.0	5.2	46.3	41.7	2.8	*	10.6	100.0	23911	
1402	3.5	6.4	46.0	41.1	2.4	*	10.4	100.0	23911	
TOT								11.2		90048
PCT	3.1	5.1	47.9	45.2	3.6	.1	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-7	7-4	5-7	8-6	TOTAL OBS	MEAN CLOUD COVER
N	9.8	2.7	4.8	2.7		3.5
NE	1.9	.5	.7	.2		3.6
E	.8	.2	.4	.2		1.6
SE	.4	.2	.7	.3		4.0
S	.4	.2	.7	.3		4.4
SW	.6	.3	.5	.4		4.4
W	4.2	1.4	2.1	1.4		3.6
NW	24.9	8.8	12.0	4.0		3.2
VAR	.0	.0	.0	.0		.0
CALM	1.5	.3	.6	.6		3.4
TOT OBS					67668	3.3
TOT PCT	48.3	14.6	22.3	14.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH, 30/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

700	150	100	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
149	299	599	999	1999	3999	4999	6499	7999		ANY HGT	OBS
.1	*	.2	1.1	2.2	1.1	.4	.1	.1	.1	14.3	
*	*	*	.1	.7	.2	.1	*	*	*	7.8	
*	*	*	.1	.1	.1	*	*	*	*	1.0	
*	*	*	.1	.1	.1	*	*	*	*	.8	
*	*	*	.1	.2	.1	*	*	*	*	1.0	
*	*	*	.7	.7	.1	*	*	*	*	6.5	
.2	.2	.1	.6	1.1	.5	.7	.1	*	*	42.8	
.5	.2	.7	1.5	6.1	2.9	1.2	.4	.2	.2	67.6	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.1	*	*	.2	.3	.1	*	*	*	*	2.3	
1.0	.3	1.2	6.0	10.5	5.1	2.1	.7	.4	.4	72.1	67668
											100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH, 30/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)		VSBY (NM)		VSBY (NM)		VSBY (NM)		VSBY (NM)	
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>10	>5	>2
>36500	.7	.8	.8	.8	.8	.8	.8	.8	.8	.8
>37000	1.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
>37500	3.1	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
>38000	7.4	8.7	8.6	8.8	8.8	8.8	8.8	8.8	8.8	8.8
>38500	16.1	14.9	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
>39000	70.6	24.6	25.2	25.3	25.3	25.3	25.3	25.3	25.3	25.3
>39500	21.3	25.9	26.4	26.5	26.5	26.5	26.5	26.5	26.5	26.5
>40000	21.4	26.2	26.7	26.8	26.8	26.8	26.8	26.8	26.8	26.8
>40500	21.7	26.7	27.3	27.5	27.6	27.7	27.8	27.8	27.8	27.8

TOTAL NUMBER OF OBS: 67668

PCT FREQ NH <5/8: 72.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	TOTAL OBS
35.5	12.2	10.3	7.8	6.6	4.5	5.8	6.6	10.8	71991

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1960-1979

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AREA 001 CENTRAL BAJA MEX
26.4N 114.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1<2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
2<5	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
5<10	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
10+	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS 83453													
TOT PCT 10.5 3.5 1.4 1.3 1.3 1.7 9.4 58.9 0 2.9 100.0													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1<2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
2<5	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
5<10	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
10+	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS 87504													
TOT PCT 10.4 3.6 1.4 1.3 1.3 1.7 9.4 58.9 0 3.0 100.0													

PERIOD: (PRIMARY) 1952-1979
(COVER-ALL) 1960-1979

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AREA 001 CENTRAL BAJA WEST
26.4N 114.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.6	.3	.7	4.5	8.0	4.2	1.9	.7	.5	.5	21.7	78.3	18045
06009	1.0	.2	1.0	4.4	8.1	3.7	1.5	.5	.3	.3	21.0	79.0	17457
12015	1.6	.4	1.8	8.0	12.7	5.6	2.2	.5	.3	.5	33.5	66.5	16193
18021	1.0	.4	1.3	6.7	12.0	6.3	2.7	.9	.5	.4	32.3	67.7	18865
TOT													70560
PCT	1.0	.3	1.2	5.9	10.2	5.0	2.1	.7	.4	.4	27.1	72.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.2	.1	.3	1.3	12.3	85.8	21595
06009	.4	.1	.2	1.3	11.8	86.1	21872
12015	.7	.2	.4	1.9	13.3	83.5	21421
18021	.6	.2	.4	2.0	12.6	84.2	23670
TOT							88558
PCT	.5	.2	.4	1.6	12.5	84.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 1	<1000 1	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.6	1.6	7.0	15.9	77.0	17462
06009	1.0	2.3	7.6	14.6	77.0	16881
12015	1.6	4.0	13.1	22.0	64.9	15674
18021	1.0	2.9	10.7	23.1	66.2	18247
TOT						68264
PCT	1.0	2.7	9.6	18.9	71.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85/89	.0	.0	.0	.1	.1	.0	.0	.0	.2	.0
80/84	.0	.0	.1	.3	.6	.3	.1	.0	1.5	.0
75/79	.0	.1	.3	.8	2.5	2.3	1.0	.0	6.9	.0
70/74	.0	.2	.7	2.5	5.0	7.1	4.2	.0	19.7	.0
65/69	.0	.3	1.2	3.4	7.4	10.8	6.1	.0	29.2	.0
60/64	.0	.2	1.2	4.5	8.8	13.0	5.9	.0	35.6	.0
55/59	.0	.0	.1	.7	.8	2.1	3.4	1.8	8.7	.0
50/54	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
TOTAL									69927	100.0
PCT	.0	.1	.8	3.9	12.4	26.4	37.1	19.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALP
90/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85/89	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
80/84	.0	.0	.0	.1	.1	.0	.2	.7	.0	.1
75/79	1.0	.2	.2	.2	.2	.2	.9	3.7	.0	.3
70/74	3.6	.7	.3	.3	.3	.4	2.2	11.2	.0	.8
65/69	8.1	1.1	.4	.4	.3	.5	2.7	16.8	.0	.9
60/64	6.8	1.1	.4	.2	.3	.5	2.7	20.7	.0	.8
55/59	2.0	.3	.1	.0	.0	.1	.5	5.5	.0	.1
50/54	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0
TOTAL	19.8	3.5	1.4	1.2	1.3	1.7	9.2	58.9	.0	3.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	93	80	76	69	62	60	50	69.3	27129
06009	91	77	71	65	60	58	49	65.2	27180
12015	87	73	70	64	59	57	50	64.5	27131
18021	92	78	75	67	61	54	48	67.8	27082
TOT	93	77	74	66	60	58	48	66.5	97422

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	6.5	16.0	31.4	34.5	11.5	77	17462		
06009	.0	2.8	8.1	20.2	42.0	26.9	85	17460		
12015	.0	3.3	8.7	20.3	39.9	28.0	63	17037		
18021	.0	6.8	18.8	33.1	32.2	11.1	77	18380		
TOT	12	22.5	29.8	105.6	265.4	138.7	80	70780		

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1960-1979

ANNUAL

AREA DCI CENTRAL BAJA MEX
26.4N 114.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	45	49	53	57	61	65	69	73	77	81	85	89	TOT	N	W
	48	52	56	60	64	68	72	76	80	84	88	92	FOG	FOG	FOG
25/25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20/22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9/10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7/8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-7/-8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-9/-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-11/-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-13/-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-15/-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-17/-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-19/-20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-21/-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1-2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
3-4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
5-6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
8-9	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
10-11	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
12	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
13-14	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
15-16	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
17-18	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
19-20	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
21-22	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
23-24	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
25-26	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
27-28	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
29-30	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
31-32	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
33-34	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
35-36	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
37-38	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
39-40	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
41-42	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
43-44	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
45-46	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
47-48	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
49-50	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
51-52	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
53-54	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
55-56	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
57-58	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
59-60	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
61-62	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
63-64	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
65-66	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
67-68	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
69-70	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
71-72	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
73-74	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75-76	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77-78	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
79-80	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
81-82	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
83-84	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85-86	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
87-88	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
89-90	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
91-92	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
93-94	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
95-96	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
97-98	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
99-100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
TOT PCT	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

PERIOD: (OVER-ALL) 1963-1979

ANNUAL

AREA 001 CENTRAL BAJA WPST
26.4N 119.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.1	.1	.0	.0	.0	.0	.2	.1	.3	.0	.0	.0	.0	.4
1-2	.1	.3	.0	.0	.0	.0	.4	.1	.5	.1	.0	.0	.0	.7
3-4	.0	.2	.1	.0	.0	.0	.3	.0	.2	.1	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.7	.2	.0	.0	.0	1.1	.2	1.0	.3	.0	.0	.0	1.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
C1	.4	.9	.0	.0	.0	.0	1.3	.5	2.4	.1	.0	.0	.0	3.1	
1-2	.2	2.4	.7	.0	.0	.0	3.3	.7	10.9	5.0	.0	.0	.0	17.4	
3-4	.1	1.3	1.2	.0	.0	.0	2.6	.2	7.0	13.4	.4	.0	.0	20.9	
5-6	.0	.2	.7	.0	.0	.0	1.0	.0	1.4	9.2	.7	.0	.0	11.4	
7	.0	.0	.7	.0	.0	.0	.2	.0	.3	3.2	.7	.0	.0	4.2	
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.1	.7	.3	.0	.0	1.1	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.5	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.6	4.9	3.0	.1	.0	.0	8.6	1.5	22.2	32.6	2.4	.0	.0	58.7	97.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
C1	4.5	5.4	.3	.0	.0	.0	10.1	
1-2	1.8	20.3	9.2	.0	.0	.0	31.3	
3-4	.4	11.9	20.0	.7	.0	.0	33.0	
5-6	.1	2.4	13.4	1.1	.0	.0	17.0	
7	.0	.5	4.4	1.0	.0	.0	5.9	
8-9	.0	.1	1.0	.5	.0	.0	1.7	
10-11	.0	.0	.3	.3	.0	.0	.6	
12	.0	.0	.1	.0	.0	.0	.1	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.8	40.8	48.7	3.7	.1	.0	100.0	19285

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
6	3.0	14.7	18.7	9.4	3.0	1.1	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	31326
8-7	.1	2.0	7.9	8.4	4.0	1.7	.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19404
8-9	.0	.5	.8	.6	.7	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6365
10-11	.0	.0	.6	.4	.4	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2402
12-13	.0	.0	.0	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1125
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	606
INDET	3.0	1.3	1.4	.9	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4564
TOTAL																					62212
PCT	6.1	19.1	31.6	23.4	11.0	5.0	2.2	.7	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1960-1979

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AREA 001 CENTRAL RAJA WEST
26.4N 114.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG NO PCPN	SMOKE	HAZE	BLNG DUST	NO SIG WFA
N	.2	.1	.2	.0	.0	.0	.0	.5	.7	.1	1.2	.1	2.8	.1	.1	95.0
NE	1.0	.2	.9	.0	.0	.0	.1	2.1	.1	.2	1.0	.1	2.4	.0	.0	93.0
E	1.0	.5	1.1	.0	.0	.0	.0	2.6	2.0	.4	1.7	.7	4.3	.1	.0	86.2
SE	1.6	.9	1.2	.0	.0	.0	.1	3.5	1.3	.3	5.4	.3	4.6	.1	.0	80.6
S	1.7	1.4	1.4	.0	.0	.0	.1	4.0	1.8	.4	5.6	.4	3.7	.3	.0	83.8
SW	1.2	.7	1.0	.0	.0	.0	.0	2.5	1.7	.2	4.0	.2	4.4	.1	.0	87.4
W	.5	.3	.4	.0	.0	.0	.0	1.2	.6	.2	2.6	.2	4.9	.0	.0	90.2
NW	.1	.1	.2	.0	.0	.0	.0	.4	.2	.1	1.8	.1	4.3	.1	.0	93.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3	.0	.6	.0	.0	.0	.0	.8	.5	.4	8.0	.3	7.4	.0	.0	82.6
TOT PCT	.3	.1	.3	.0	.0	.0	.0	.7	.4	.1	1.9	.1	4.2	.1	.0	92.6
TOT OBS: 83688																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG NO PCPN	SMOKE	HAZE	BLNG DUST	NO SIG WFA
0000Z	.3	.1	.2	.0	.0	.0	.0	.6	.3	.0	1.4	.1	5.4	.1	.0	91.6
0600Z	.3	.1	.3	.0	.0	.0	.0	.7	.3	.2	1.8	.0	3.1	.1	.0	93.9
1200Z	.3	.1	.4	.0	.0	.0	.0	.8	.4	.3	2.2	.1	3.0	.0	.0	93.2
1800Z	.3	.2	.3	.0	.0	.0	.0	.7	.8	.0	2.6	.2	4.5	.1	.0	91.6
TOT PCT	.3	.1	.3	.0	.0	.0	.0	.7	.4	.1	2.0	.1	4.2	.1	.0	92.5
TOT OBS: 64644																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	.0	8.4	9.3	.7	.0	.0		19.3	11.9	15.2	17.0	17.9	15.3	21.1	23.0	22.7	22.6	
NE	.1	7.0	1.1	.1	.0	.0		3.6	9.5	2.0	2.3	2.8	3.0	4.0	4.5	5.4	4.5	
E	.1	.8	.3	.0	.0	.0		1.4	7.6	.8	.7	1.7	1.1	1.8	1.0	2.0	1.7	
SE	.3	.7	.2	.0	.0	.0		1.3	7.3	1.0	1.5	1.1	.7	1.3	1.2	1.6	1.5	
S	.3	.8	.2	.0	.0	.0		1.3	7.1	1.3	1.0	1.2	1.6	1.4	1.2	1.5	1.2	
SW	.3	1.1	.7	.0	.0	.0		1.8	7.5	2.1	2.5	1.8	2.4	1.6	2.1	1.7	1.8	
W	.9	5.5	2.9	.1	.0	.0		9.4	9.3	12.1	10.8	4.8	12.0	6.1	7.4	7.7	7.9	
NW	1.9	23.4	11.0	2.4	.0	.0		58.8	12.2	63.5	61.3	62.0	60.8	56.3	56.6	54.0	55.6	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.1	.0	.0	.0	.0	.0		3.1	.0	2.1	2.9	2.7	3.2	4.2	2.5	3.5	3.1	
TOT OBS	7.1						VND46	11.2		70564	1592	16947	2093	16394	2543	21284	2623	
TOT PCT	4.2	42.4	45.2	3.6	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 4A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	09	12
N	3.7	12.2	3.4	.1	.0	19.3	11.9	15.3	17.6	21.3	22.7		
NE	1.1	2.0	.4	.0	.0	3.6	9.5	2.1	2.8	4.0	5.3		
E	.7	.6	.1	.0	.0	1.4	7.6	.8	1.2	1.7	2.0		
SE	.7	.5	.1	.0	.0	1.3	7.3	1.0	1.1	1.3	1.6		
S	.8	.5	.1	.0	.0	1.3	7.1	1.3	1.2	1.4	1.4		
SW	.9	.8	.1	.0	.0	1.8	7.5	2.1	1.8	1.6	1.7		
W	3.1	5.5	.8	.0	.0	9.4	9.3	12.0	9.9	8.2	7.7		
NW	9.0	37.9	11.6	.3	.0	58.8	12.2	63.3	61.9	56.3	54.2		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	3.1	.0	.0	.0	.0	3.1	.0	2.1	2.7	4.0	3.5		
TOT OBS	23.0	60.0	16.5	.5	.0	90746	11.2	22167	22040	21038	23911		
TOT PCT	23.0	60.0	16.5	.5	.0	100.0		100.0	100.0	100.0	100.0		

PERIOD: (PRIMARY) 1957-1974
(OVER-ALL) 1960-1974

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AREA 001 CENTRAL RAJA WEST
78.4N 118.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND	CALM	1-3	4-10	11-21	22-31	34-47	48+	MEAN	PCT	TOTAL
DIR									FREQ	OBS
0000	2.1	4.4	34.4	50.2	4.7	.1	*	12.0	100.0	22157
0600	2.7	4.4	40.6	48.2	4.0	.1	*	11.7	100.0	22040
1200	4.0	5.2	46.3	41.7	2.8	*	10.6	100.0	21938	
1800	3.5	6.4	48.0	41.1	2.9	.1	*	10.6	100.0	23911
TOT								11.2		90048
PCT	3.1	5.1	47.9	45.2	3.6	.1	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 10	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	9.8	2.7	4.6	2.7	3.5	3.5
NE	1.0	.5	.7	.5	3.6	3.6
E	.6	.2	.4	.2	3.4	3.4
SE	.4	.2	.7	.3	4.4	4.4
S	.4	.2	.7	.3	4.4	4.4
SW	.6	.5	.5	.4	4.4	4.4
W	4.2	1.4	7.1	1.4	3.6	3.6
NW	28.9	8.8	12.9	8.2	3.2	3.2
VAR	.0	.0	.0	.0	.0	.0
CALM	1.5	.5	.6	.6	3.4	3.4
TOT OBS					67668	3.3
TOT PCT	48.3	14.6	22.3	14.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.) NH > 478
AND OCCURRENCE OF NH < 578 BY WIND DIRECTION

WIND DIR	149	150	300	600	1000	2000	3500	5000	6500	8000+	NH < 578	TOTAL
	149	299	599	999	1999	3999	4999	6499	7999		ANY HGT	OBS
N	.1	*	.2	1.1	2.2	1.1	.4	.1	.1	.1	14.3	
NE	*	*	*	.1	.7	.2	.1	*	*	*	2.8	
E	*	*	*	.1	.1	.1	*	*	*	*	1.0	
SE	*	*	*	.1	.1	.1	*	*	*	*	.8	
S	*	*	*	.1	.2	.1	*	*	*	*	.8	
SW	*	*	*	.2	.2	.1	*	*	*	*	1.0	
W	.2	*	.1	.6	1.1	.5	.2	.1	*	*	6.5	
NW	.5	.7	.7	1.5	6.1	2.6	1.7	.4	.2	.2	42.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	*	*	.2	.3	.1	.1	*	*	*	2.1	
TOT OBS											67668	
TOT PCT	1.0	.3	1.2	6.0	10.5	5.1	2.1	.7	.4	.4	72.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH > 478) AND VSBY (MP)

CEILING (FEET)	= OR > 10	= OR > 5	= OR > 2	VSBY (MP)	= OR > 1	= OR > 1/2	= OR > 1/4	= OR > 50 YD	= OR > 0
= OR > 4500	.7	.8	.8	.8	.8	.8	.8	.8	.8
= OR > 4000	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
= OR > 3500	3.1	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7
= OR > 3000	7.4	8.7	8.6	8.8	8.8	8.8	8.8	8.8	8.8
= OR > 2500	16.1	18.9	19.2	19.2	19.2	19.2	19.2	19.2	19.2
= OR > 2000	20.6	24.8	25.2	25.3	25.3	25.3	25.3	25.3	25.3
= OR > 1500	21.3	25.9	26.4	26.5	26.5	26.5	26.5	26.5	26.5
= OR > 1000	21.4	26.2	26.7	26.8	26.8	26.8	26.8	26.8	26.8
= OR > 500	21.7	26.7	27.3	27.5	27.5	27.5	27.5	27.5	27.5

TOTAL NUMBER OF OBS: 67668

PCT FREQ NH < 578: 72.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
35.5	12.2	10.3	7.8	6.8	4.5	5.8	6.4	10.8	.7	71981

PERIOD: (PRIMARY) 1952-1974
(OVER-ALL) 1960-1974

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26.4N 114.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	PCP	0	0	0	0.0	0.0	0.0	0	0	0	0.0	0	0
	NO PCP	0	0	0	0	0	0	0.1	0	0	0.1	0.4	0.4
	TOT %	0	0	0	0	0	0	0.1	0	0	0.1	0.4	0.4
	PCP	0	0.0	0.0	0	0	0	0	0	0	0.0	0	0
1/2-1	PCP	0	0	0	0	0	0	0	0	0	0.0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0.0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0.0	0	0
	PCP	0	0	0	0	0	0	0	0	0	0.0	0	0
1-2	PCP	0	0	0	0	0	0	0	0	0	0.0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0.0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0.0	0	0
	PCP	0	0	0	0	0	0	0	0	0	0.0	0	0
2-5	PCP	0	0	0	0	0	0	0	0	0	0.0	0	0
	NO PCP	0	0	0	0	0	0	0.1	0	0	0.1	1.1	1.1
	TOT %	0	0	0	0	0	0	0.1	0	0	0.1	1.1	1.1
	PCP	0	0	0	0	0	0	0	0	0	0.0	0	0
5-10	PCP	0	0	0	0	0	0	0	0	0	0.0	0	0
	NO PCP	1.0	0.2	0.2	0.2	0.2	0.2	1.3	7.4	0.0	0.0	12.5	12.5
	TOT %	1.0	0.2	0.2	0.2	0.2	0.2	1.3	7.4	0.0	0.0	12.5	12.5
	PCP	0	0	0	0	0	0	0	0	0	0.0	0	0
10+	PCP	0	0	0	0	0	0	0	0	0	0.0	0	0
	NO PCP	17.2	3.1	1.2	1.0	1.0	1.7	7.7	50.4	0.0	2.2	85.2	85.2
	TOT %	17.2	3.1	1.2	1.0	1.0	1.7	7.7	50.4	0.0	2.2	85.2	85.2
	PCP	0	0	0	0	0	0	0	0	0	0.0	0	0
TOT OBS													85.2
TOT PCT		10.5	3.5	1.4	1.3	1.3	1.7	9.4	58.9	0.0	2.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	0-3	0	0	0	0	0	0	0	0	0.0	0	0.1	0.1
	4-10	0	0	0	0	0	0	0.1	0.1	0.0	0	0.2	0.2
	11-21	0	0	0	0	0	0	0	0	0.0	0	0	0
	22+	0	0.0	0	0	0.0	0.0	0	0	0.0	0	0	0
	TOT %	0	0	0	0	0	0	0.1	0.2	0.0	0	0.1	0.5
	PCP	0	0	0	0	0	0	0	0	0.0	0	0	0
1/2-1	0-3	0	0.0	0	0	0	0	0	0	0.0	0	0.1	0.1
	4-10	0	0	0	0	0	0	0	0	0.0	0	0	0
	11-21	0	0.0	0.0	0	0	0	0	0	0.0	0	0	0
	22+	0	0.0	0.0	0	0.0	0.0	0	0	0.0	0	0	0
	TOT %	0	0	0	0	0.0	0.0	0	0	0.0	0	0	0.2
	PCP	0	0	0	0	0	0	0	0	0.0	0	0	0
1-2	0-3	0	0	0	0	0	0	0	0	0.0	0	0.1	0.1
	4-10	0	0	0	0	0	0	0	0.1	0.0	0	0.2	0.2
	11-21	0	0	0	0	0	0	0	0.1	0.0	0	0.1	0.1
	22+	0.0	0	0	0	0	0.0	0.0	0	0.0	0	0	0
	TOT %	0	0	0	0	0	0	0	0.2	0.0	0	0.3	0.3
	PCP	0	0	0	0	0	0	0	0	0.0	0	0	0
2-5	0-3	0	0	0	0	0	0	0	0	0.0	0	0.2	0.2
	4-10	0.1	0	0	0	0	0	0.1	0.4	0.0	0	0.8	0.8
	11-21	0.1	0	0	0	0	0	0	0.4	0.0	0	0.6	0.6
	22+	0	0	0	0	0	0	0	0	0.0	0	0	0
	TOT %	0.2	0	0	0	0	0	0.1	0.7	0.0	0	1.6	1.6
	PCP	0	0	0	0	0	0	0	0	0.0	0	0	0
5-10	0-3	0.1	0	0	0.1	0.1	0.1	0.1	0.3	0.0	0	1.3	1.3
	4-10	0.8	0.2	0.1	0.1	0.1	0.2	0.8	3.0	0.0	0	5.3	5.3
	11-21	0.9	0.1	0	0	0	0.1	0.4	3.8	0.0	0	5.4	5.4
	22+	0.1	0	0	0	0	0	0	0.3	0.0	0	0.5	0.5
	TOT %	1.9	0.3	0.2	0.2	0.2	0.3	1.4	7.4	0.0	0	12.5	12.5
	PCP	0	0	0	0	0	0	0	0	0.0	0	0	0
10+	0-3	0.7	0.2	0.2	0.2	0.2	0.2	0.7	1.5	0.0	2.2	8.3	8.3
	4-10	7.4	1.8	0.7	0.6	0.6	0.9	4.5	19.6	0.0	0	36.1	36.1
	11-21	8.3	1.0	0.2	0.2	0.1	0.2	2.4	26.9	0.0	0	39.4	39.4
	22+	0.7	0.1	0	0	0	0	0.1	2.1	0.0	0	3.1	3.1
	TOT %	17.2	3.2	1.2	1.0	1.0	1.3	7.7	50.2	0.0	2.2	85.2	85.2
	PCP	0	0	0	0	0	0	0	0	0.0	0	0	0
TOT OBS													85.2
TOT PCT		10.4	3.6	1.4	1.3	1.3	1.7	9.4	58.9	0.0	2.9	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	00L 144	150 244	30L 544	60L 944	100L 1444	200L 3444	300L 4444	500L 6444	650L 7444	800L 9444	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000Z	.6	.3	.7	4.5	8.0	4.2	1.4	.7	.5	.5	21.7	78.3	18045
0600Z	1.0	.2	1.0	4.4	8.1	3.7	1.5	.5	.3	.3	21.0	79.0	17457
1201Z	1.4	.4	1.4	8.8	12.7	5.6	2.2	.5	.3	.5	33.5	66.5	16193
1802Z	1.0	.4	1.3	6.7	12.0	6.3	2.7	.9	.5	.4	32.3	67.7	18865
TOT													70560
PCT	1.0	.3	1.2	5.4	10.2	5.0	2.1	.7	.4	.4	27.1	72.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000Z	.2	.1	.3	1.3	12.3	45.8	21598
0600Z	.4	.1	.2	1.3	11.8	86.1	21872
1201Z	.7	.2	.4	1.9	13.7	83.5	21421
1802Z	.6	.2	.4	2.0	17.4	84.2	23670
TOT							88558
PCT	.5	.2	.4	1.6	12.4	84.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <500Z	<600 1	<1000 1	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000Z	.6	1.6	7.0	15.9	77.0	17462
0600Z	1.0	2.3	7.6	14.6	77.8	16881
1201Z	1.6	4.0	13.1	22.0	64.9	15674
1802Z	1.0	7.9	10.7	23.1	66.2	18247
TOT						68264
PCT	1.0	2.7	9.6	18.9	71.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85/88	.0	.0	.0	.1	.1	.0	.0	.0	.2	.2
80/84	.0	.0	.1	.3	.8	.3	.1	.0	1.5	1.5
75/79	.0	.1	.7	.8	2.4	2.1	1.0	.0	6.9	6.9
70/74	.0	.2	.7	2.5	7.0	7.1	4.2	.0	19.7	19.7
65/69	.0	.1	1.2	3.4	7.4	10.8	6.1	.0	29.2	29.2
60/64	.0	.2	1.2	4.5	4.8	13.0	5.9	.0	33.6	33.6
55/59	.0	.0	.1	.8	.1	3.4	1.4	.0	8.7	8.7
50/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL									69427	100.0
PCT	.0	.1	.4	1.9	12.4	26.4	37.1	19.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALP
90/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85/88	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
80/84	.2	.0	.0	.1	.1	.0	.2	.7	.0	.1
75/79	1.0	.2	.2	.2	.2	.2	.9	3.7	.0	.3
70/74	3.6	.7	.3	.3	.3	.4	2.2	11.2	.0	.8
65/69	6.1	1.1	.4	.4	.3	.5	2.7	16.8	.0	.9
60/64	6.8	1.1	.4	.2	.3	.5	2.7	20.7	.0	.8
55/59	2.0	.3	.1	.0	.0	.1	.5	5.5	.0	.1
50/54	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0
TOTAL	19.8	3.5	1.4	1.2	1.3	1.7	9.2	58.9	.0	3.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	91	87	76	64	62	60	50	64.7	27129
0600Z	91	77	71	65	60	54	49	64.2	27186
1201Z	87	77	70	64	54	57	50	64.5	27171
1802Z	87	78	74	67	61	54	48	67.8	27482
TOT	91	77	74	64	60	54	48	64.5	97468

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	6.4	18.0	31.4	36.5	11.5	.7	.7	17462	
0600Z	.0	2.8	9.1	20.2	42.0	26.9	.8	.7	17457	
1201Z	.0	3.3	4.7	20.3	36.0	29.0	.8	.7	16193	
1802Z	.0	6.8	16.8	31.1	32.2	11.1	.7	.7	18865	
TOT	.0	3.2	8.8	20.8	36.9	26.8	.8	.7	70560	

PERIOD: (PRIMARY) 1952-1979
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	45	49	53	57	61	65	69	73	77	81	85	89	TOT	N FOG	NO FOG
23/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.0
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	82	.0	.1
14/16	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	280	.0	.4
11/13	.0	.0	.0	.0	.0	.1	.2	.3	.2	.1	.0	.0	710	.0	.9
9/10	.0	.0	.0	.0	.1	.2	.4	.3	.2	.1	.0	.0	1008	.0	1.3
7/8	.0	.0	.0	.0	.2	.6	.8	.5	.3	.1	.0	.0	1493	.0	2.5
5	.0	.0	.0	.0	.2	.5	.5	.4	.2	.1	.0	.0	1499	.0	1.9
4	.0	.0	.0	.0	.4	1.0	.8	.5	.3	.1	.0	.0	2437	.1	3.0
3	.0	.0	.0	.1	.9	1.4	1.0	.6	.4	.1	.0	.0	3485	.1	4.3
2	.0	.0	.0	.1	.9	1.5	.9	.6	.2	.1	.0	.0	3479	.1	4.4
1	.0	.0	.0	.4	2.2	2.1	1.5	.9	.4	.1	.0	.0	5914	.2	7.4
0	.0	.0	.0	.4	2.4	2.2	1.4	.9	.3	.1	.0	.0	6129	.1	7.7
-1	.0	.0	.1	1.4	4.5	3.2	2.2	1.2	.4	.0	.0	.0	10017	.3	12.6
-2	.0	.0	.1	1.6	3.5	2.4	1.7	.8	.2	.0	.0	.0	8027	.2	10.2
-3	.0	.0	.1	2.2	4.0	2.6	1.8	.8	.2	.0	.0	.0	9093	.2	11.6
-4	.0	.0	.1	1.8	2.7	1.8	1.4	.5	.1	.0	.0	.0	6460	.1	6.3
-5	.0	.0	.2	1.8	2.2	1.6	1.2	.5	.1	.0	.0	.0	5765	.1	7.0
-6	.0	.0	.1	1.2	1.5	1.3	.8	.3	.1	.0	.0	.0	4036	.1	5.3
-7/-8	.0	.0	.2	.7	.9	.7	.6	.2	.0	.0	.0	.0	2531	.1	3.3
-9/-10	.0	.0	.2	.7	1.0	.8	.5	.2	.0	.0	.0	.0	2616	.1	3.5
-11/-13	.0	.0	.1	.3	.3	.3	.2	.1	.0	.0	.0	.0	978	.0	1.3
-14/-16	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	429	.0	.6
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	122	.0	.2
-20/-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	.0	.0
TOTAL													77144		
PCT	.1	1.2	13.2	28.1	24.5	18.1	9.9	3.8	1.0	.2	.0	.0	100.0	1.9	68.1

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.1	.1	.0	.0	.0	1.3	.1	.3	.0	.0	.0	.0	.4
1-2	.3	4.6	2.2	.0	.0	.0	7.0	.1	1.0	.3	.0	.0	.0	1.4
3-4	.1	2.4	4.4	.2	.0	.0	7.2	.0	.5	.6	.0	.0	.0	1.1
5-6	.0	.6	3.0	.3	.0	.0	3.8	.0	.1	.4	.1	.0	.0	.5
7	.0	.1	.9	.2	.0	.0	1.3	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.2	.1	.0	.0	.4	.0	.0	.0	.0	.0	.0	.1
10-11	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	9.0	10.8	.9	.0	.0	21.3	.2	1.9	1.4	.2	.0	.0	3.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.2
1-2	.1	.3	.1	.0	.0	.0	.5	.1	.3	.1	.0	.0	.0	.5
3-4	.0	.2	.1	.0	.0	.0	.7	.0	.1	.2	.0	.0	.0	.7
5-6	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.7	.7	.0	.0	.0	1.2	.2	.9	.7	.0	.0	.0	1.2

PERIOD: (OVER-ALL) 1963-1979

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							SW						
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.	.0	.0	.0	.2	.1	.3	.	.0	.0	.0	.4
1-2	.1	.3	.	.0	.0	.0	.4	.1	.5	.1	.0	.0	.0	.7
3-4	.	.2	.1	.	.0	.0	.3	.	.2	.1	.	.0	.0	.3
5-6	.0	.	.	.	.0	.0	.1	.0	.	.1	.	.0	.0	.1
7	.0	.0	.	.	.0	.0	.	.0	.	.	.0	.0	.0	.
8-9	.0	.	.	.	.	.0	.	.0	.0	.	.	.	.0	.
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.
TOT PCT	.2	.7	.2	.	.	.0	1.1	.2	1.0	.3	.	.	.0	1.6

HGT	NW							TOTAL						
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.9	.	.0	.0	.0	1.3	.5	2.4	.1	.0	.0	.0	3.1
1-2	.7	2.4	.7	.0	.0	.0	3.3	.7	10.9	5.0	.0	.0	.0	17.4
3-4	.1	1.3	1.2	.	.0	.0	2.6	.2	7.0	13.4	.4	.0	.0	20.9
5-6	.0	.2	.7	.	.0	.0	1.0	.	1.4	9.2	.7	.	.0	11.4
7	.0	.	.7	.	.0	.0	.7	.0	.3	3.2	.7	.0	.0	4.2
8-9	.0	.0	.1	.	.0	.0	.1	.0	.1	.7	.3	.	.0	1.1
10-11	.0	.0	.	.	.0	.0	.	.0	.0	.2	.2	.0	.0	.5
12	.0	.0	.	.	.0	.0	.	.0	.0	.	.	.	.0	.1
13-16	.0	.0	.	.	.0	.0	.	.0	.0	.	.	.	.0	.1
17-19	.0	.0	.0	.	.0	.0	.	.0	.0	.0	.0	.	.0	.
20-22	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
23-25	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
26-32	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
33-40	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
41-48	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
49-60	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
61-70	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
71-86	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
87+	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
TOT PCT	.6	4.9	3.0	.1	.	.0	8.6	1.5	22.2	32.6	2.4	.	.0	58.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	4.5	5.4	.3	.	.0	.0	10.1	0.5
1-2	1.8	20.3	9.2	.0	.0	.0	31.3	
3-4	.4	11.9	20.0	.7	.0	.0	33.0	
5-6	.1	2.4	13.4	1.1	.	.0	17.0	
7	.0	.5	4.4	1.0	.	.0	5.9	
8-9	.0	.1	1.0	.4	.	.0	1.7	
10-11	.0	.0	.3	.3	.	.0	.6	
12	.0	.0	.1	.	.	.0	.1	
13-16	.0	.0	.1	.	.	.0	.1	
17-19	.0	.0	.0	.	.	.0	.1	
20-22	.0	.0	.0	.0	.	.0	.	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.8	47.8	48.7	1.7	.1	.0	100.0	162.4

PERIOD: (OVER-ALL) 1964-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD SECT	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT	
<6	3.0	14.7	10.7	9.4	5.0	1.1	.4	.1	.1	.	.	.	.	.	.	.	.	.	.	.	31326	1
6-7	.1	2.0	7.9	8.4	4.0	1.7	.7	.2	.2	.	.	.	.	.	.	.	.	.	.	.	15404	4
8-9	.	.7	2.2	3.0	2.2	1.2	.4	.2	.2	.	.	.	.	.	.	.	.	.	.	.	6365	4
10-11	.0	.5	.8	.8	.7	.5	.3	.1	.1	.	.	.	.	.	.	.	.	.	.	.	7902	4
12-13	.0	.0	.4	.4	.4	.2	.1	.	.1	.	.	.	.	.	.	.	.	.	.	.	1125	6
14+	.0	.0	.0	.4	.3	.1	.1	.	.	.	.	.	.	.	.	.	.	.	.	.	604	7
INDEF	3.0	1.3	1.4	.4	.5	.2	.1	.	.	.	.	.	.	.	.	.	.	.	.	.	4564	2
TOTAL																					62212	4
PCT	4.0	19.3	11.4	11.4	11.4	5.0	2.2	.7	.8	.1	.1	.	.	.	.	.	.	.	.	.	100.0	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1960-1979

TABLE 20

AREA 001 CENTRAL BAJA NEST
26.4N 114.4W

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TEMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
92/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	19	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.4	.6	.2	.1	.0	101	.1
83/84	.0	.0	.0	.0	.0	.0	.0	.7	1.5	1.0	.1	.1	243	.3
81/82	.0	.0	.0	.0	.0	.0	.0	.4	1.3	3.7	2.8	.5	639	.8
79/80	.1	.1	.0	.1	.0	.1	.4	3.6	6.9	5.9	1.6	.2	1350	1.6
77/78	.1	.1	.0	.0	.0	.1	1.2	5.5	10.4	9.0	3.3	1.1	2196	2.6
75/76	.4	.2	.1	.0	.1	.2	3.1	10.6	14.1	13.4	6.8	3.9	3849	4.6
73/74	1.7	.5	.2	.2	.2	.4	6.4	16.7	17.4	16.5	11.7	7.4	5691	6.8
71/72	4.7	1.7	.5	.2	.4	1.0	11.3	17.7	15.9	17.4	16.6	17.6	6921	8.3
69/70	10.1	5.1	2.1	.8	1.2	3.3	17.0	17.4	12.6	14.0	17.8	15.4	8053	9.7
67/68	16.6	11.0	6.7	3.9	4.5	10.1	21.8	13.6	9.4	11.1	17.4	18.1	9933	11.9
65/66	20.3	19.4	13.2	10.6	12.7	19.5	19.4	7.3	4.4	5.2	10.4	14.5	10874	13.0
63/64	27.5	26.9	26.8	27.9	31.1	32.9	12.9	3.4	2.2	2.7	6.5	15.4	14717	17.7
61/62	13.4	19.3	24.9	27.1	26.4	18.7	4.6	.9	.5	.6	1.4	6.1	10090	12.1
59/60	6.6	10.8	17.4	19.5	14.6	8.8	1.6	.3	.2	.2	.7	2.0	5795	7.0
57/58	1.7	3.2	5.4	7.0	6.1	3.5	.5	.1	.0	.1	.2	.6	2035	2.4
55/56	.5	.0	1.6	1.4	1.4	.8	.2	.0	.0	.0	.0	.1	576	.7
53/54	.2	.2	.5	.6	.5	.4	.1	.0	.0	.0	.0	.0	192	.2
51/52	.1	.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	55	.1
49/50	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	.0
47/48	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	6181	6165	7101	7120	7557	7284	7414	7319	7205	7065	6667	6741	83356	100.0
MEAN	65.1	63.8	62.5	62.0	62.4	63.7	67.9	71.4	73.1	72.5	70.0	67.7	66.8	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL QPS
JAN	1016	1017	1017	1016	1017	1017	1019	1017	1017	6470
FEB	1016	1017	1017	1016	1016	1017	1018	1017	1017	6394
MAR	1015	1016	1016	1015	1015	1016	1018	1016	1016	7245
APR	1014	1015	1015	1014	1015	1015	1017	1015	1015	7413
MAY	1014	1014	1015	1013	1014	1014	1015	1014	1014	7355
JUN	1012	1012	1013	1012	1013	1013	1014	1013	1013	7479
JUL	1012	1012	1013	1012	1013	1013	1014	1012	1013	7571
AUG	1012	1012	1013	1011	1012	1012	1014	1012	1013	7678
SEP	1010	1010	1012	1010	1011	1011	1012	1011	1011	7443
OCT	1012	1013	1014	1012	1013	1013	1015	1013	1013	7276
NOV	1015	1015	1016	1015	1015	1016	1017	1015	1016	6769
DEC	1016	1016	1017	1016	1016	1016	1018	1016	1017	6190
ANN	1014	1014	1015	1014	1014	1014	1016	1014	1014	85543
QPS	14735	907	14442	1503	14743	1453	21104	1404		

PERCENTILES

MO	MIN	14	54	754	904	754	954	994	MAX
JAN	994	1009	1012	1016	1017	1019	1022	1024	1030
FEB	1000	1010	1013	1015	1017	1019	1021	1023	1024
MAR	1001	1004	1012	1014	1014	1014	1020	1023	1031
APR	994	1009	1011	1014	1015	1017	1019	1021	1024
MAY	1001	1009	1010	1013	1014	1016	1018	1020	1027
JUN	1000	1004	1009	1011	1011	1014	1017	1018	1024
JUL	997	1004	1009	1011	1011	1014	1014	1018	1030
AUG	1000	1004	1008	1011	1013	1014	1014	1018	1024
SEP	994	1003	1006	1009	1011	1013	1015	1017	1024
OCT	1000	1005	1009	1012	1013	1015	1018	1019	1024
NOV	1004	1010	1011	1014	1014	1017	1020	1021	1027
DEC	1000	1004	1012	1015	1017	1018	1021	1023	1024

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1865-1979

JANUARY

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	DUST	SIG WFA	NC
N	.5	.2	.4	.0	.0	.0	.0	1.1	.9	.0	.4	.0	.6	.0	.0	.0	97.0
NE	1.6	.3	1.8	.0	.0	.0	.0	3.2	.7	.3	.6	.0	.5	.1	.0	.0	94.8
E	3.1	.0	4.2	.0	.0	.0	.0	6.0	1.2	.4	.4	.0	.5	.0	.0	.0	91.5
SE	4.6	1.9	2.2	.0	.0	.0	.0	7.9	2.1	.0	.0	.0	.2	.0	.0	.0	89.9
S	2.0	2.0	.0	.0	.0	.0	.0	4.1	3.8	1.0	.0	.0	.0	.0	.0	.0	91.1
SW	1.1	.0	1.1	.0	.0	.0	.0	1.1	.5	.0	.0	.0	.5	.0	.0	.0	97.9
W	.2	.2	.5	.0	.0	.0	.0	.9	1.1	.0	.4	.0	1.0	.0	.0	.0	96.2
NW	.5	.1	.5	.0	.0	.0	.0	.9	.5	.0	.3	.0	.9	.0	.0	.0	97.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.3	.3	.0	.0	.0	.0	.6	.6	.0	.9	.0	2.9	.0	.0	.0	95.1
TOT PCT	.8	.2	.8	.0	.0	.0	.0	1.6	.8	.1	.4	.0	.8	.0	.0	.0	96.2
TOT OBS:	6923																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	DUST	SIG WFA	NC
00003	.6	.3	1.0	.0	.0	.0	.0	1.8	.8	.0	.3	.0	.5	.1	.0	.0	96.5
06009	.9	.2	.5	.0	.0	.0	.0	1.4	1.0	.1	.2	.0	.8	.0	.0	.0	96.5
12015	1.2	.1	.8	.0	.0	.0	.0	1.8	1.1	.3	.9	.0	1.0	.0	.0	.0	94.9
18021	.7	.3	.8	.0	.0	.0	.0	1.8	.4	.0	.5	.1	.8	.0	.0	.0	96.8
TOT PCT	.8	.2	.8	.0	.0	.0	.0	1.6	.8	.1	.4	.0	.8	.0	.0	.0	96.2
TOT OBS:	7025																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-31	34-47	48+					00	03	06	09	12	15	18	21
N	2.5	17.8	11.3	.6	.0	.0		32.1	9.9		24.7	32.1	24.7	24.5	35.3	41.9	37.4	37.0
NE	.8	6.6	3.6	.2	.0	.0		11.2	9.6		7.5	12.8	10.4	10.9	10.6	12.5	15.0	14.3
E	.5	2.8	.8	.0	.0	.0		4.1	7.9		3.0	3.1	4.4	3.0	3.9	4.1	5.0	5.4
SE	.5	1.5	.4	.0	.0	.0		2.4	7.1		2.1	2.1	2.5	4.5	2.5	1.2	2.7	.7
S	.3	.9	.2	.0	.0	.0		1.4	7.0		2.3	.0	1.1	1.5	1.1	2.4	1.3	.0
SW	.4	.8	.1	.0	.0	.0		1.4	6.0		2.1	.0	1.2	5.9	1.0	1.0	1.1	.7
W	1.2	4.5	1.3	.0	.0	.0		7.0	7.7		11.1	7.9	6.8	9.4	4.6	5.2	5.3	5.7
NW	2.4	20.1	12.3	.5	.0	.0		35.3	9.9		42.5	37.9	37.1	35.4	35.5	30.0	27.9	31.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.1							5.1	.0		4.6	4.1	6.7	5.0	5.6	1.8	4.4	5.0
TOT OBS	1033	4135	2251	104	3	0		7526	9.0		1836	145	1572	101	1493	222	2017	140
TOT PCT	13.7	54.9	29.9	1.4	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-6	7-16	17-27	28-40	41+						00	03	06	09	12	15	18	21
N	9.2	19.9	3.0	.1	.0			32.1	9.9		25.2	29.4	36.1	37.4				
NE	3.6	6.5	1.0	.0	.0			11.2	9.6		7.9	10.4	10.8	15.0				
E	1.9	2.1	.1	.0	.0			4.1	7.9		3.0	4.3	3.9	5.0				
SE	1.4	.8	.1	.0	.0			2.4	7.1		2.1	2.6	2.3	2.5				
S	.8	.5	.1	.0	.0			1.4	7.0		2.1	1.2	1.2	1.2				
SW	.9	.5	.0	.0	.0			1.4	6.0		2.0	1.5	1.0	1.1				
W	3.3	3.4	.3	.0	.0			7.0	7.7		10.9	6.9	4.7	5.3				
NW	10.0	22.1	3.1	.0	.0			35.3	9.9		42.2	37.0	34.8	28.1				
VAR	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0				
CALM	5.1							5.1	.0		4.5	6.6	5.1	4.4				
TOT OBS	2724	4209	582	11	0			7526	9.0		1981	1673	1715	2157				
TOT PCT	36.2	55.9	7.7	.1	.0			100.0			100.0	100.0	100.0	100.0				

JANUARY

PERIOD: (PRIMARY) 1953-1979
(COVER-ALL) 1863-1979

AREA F002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+		
0000Z	4.5	8.3	55.0	30.9	1.2	.1	.0	9.0	100.0
0600Z	6.6	8.3	55.1	29.0	1.0	.1	.0	8.8	100.0
1200Z	5.1	7.3	56.4	29.4	1.8	.0	.0	9.1	100.0
1800Z	4.4	10.2	53.7	30.1	1.5	.0	.0	9.0	100.0
TOT	384	648	4115	2251	104	3	0	9.0	7526
PCT	5.1	8.6	54.9	29.9	1.4	.0	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9-10	TOTAL OBS	MEAN CLOUD COVER
N	14.0	5.2	8.6	4.5	3.6	3.6
NE	4.9	1.5	3.1	1.4	3.6	3.6
E	1.6	.5	1.1	1.0	4.1	4.1
SE	.8	.4	.7	.5	4.0	4.0
S	.5	.2	.4	.3	4.2	4.2
SW	.5	.3	.3	.2	3.6	3.6
W	2.8	1.1	1.8	.9	3.6	3.6
NW	16.4	5.9	9.7	3.6	3.3	3.3
VAR	.0	.0	.0	.0	.0	.0
CALM	2.8	.7	1.0	.6	2.8	2.8
TOT OBS	2479	887	1496	728	5588	3.5
TOT PCT	44.4	15.9	26.7	13.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM) AND
OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9-10	TOTAL OBS	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NM <5/8 ANY HGT	TOTAL OBS
N	14.0	5.2	8.6	4.5	3.6	3.6	.1	.0	.3	1.2	2.8	1.7	.7	.3	.3	.2	24.6	
NE	4.9	1.5	3.1	1.4	3.6	3.6	.0	.0	.2	.5	.9	.4	.2	.1	.1	.1	8.3	
E	1.6	.5	1.1	1.0	4.1	4.1	.0	.0	.0	.7	.5	.3	.1	.0	.0	.0	2.8	
SE	.8	.4	.7	.5	4.0	4.0	.0	.1	.0	.2	.2	.2	.1	.0	.0	.0	1.6	
S	.5	.2	.4	.3	4.2	4.2	.0	.0	.0	.1	.2	.1	.0	.0	.0	.0	1.0	
SW	.5	.3	.3	.2	3.6	3.6	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.0	
W	2.8	1.1	1.8	.9	3.6	3.6	.0	.0	.1	.4	.7	.3	.1	.1	.0	.0	4.1	
NW	16.4	5.9	9.7	3.6	3.3	3.3	.1	.1	.2	1.1	2.8	1.9	.9	.2	.2	.2	27.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.8	.7	1.0	.6	2.8	2.8	.0	.0	.0	.1	.2	.2	.0	.1	.1	.1	4.2	
TOT OBS	2479	887	1496	728	5588	3.5	20	12	53	227	478	284	127	48	43	35	4256	5588
TOT PCT	44.4	15.9	26.7	13.0	100.0		.4	.2	.9	4.1	8.6	5.1	2.1	.9	.8	.7	76.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM) AND VSBY (NM)

CEILING (FEET)	: OR >10	: OR >5	: OR >2	VSBY (NM)				: OR >1/2	: OR >1/4	: OR >1/8	: OR >1/16	: OR >1/32
				: OR >1	: OR >1/2	: OR >1/4	: OR >1/8					
: OR >6500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
: OR >5000	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
: OR >3500	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
: OR >2000	9.1	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
: OR >1000	17.2	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
: OR >600	20.6	22.3	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
: OR >300	21.3	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
: OR >150	21.5	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
: OR >0	21.8	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
TOTAL	1210	1338	1346	1349	1349	1349	1349	1349	1349	1349	1349	1349

TOTAL NUMBER OF OBS: 5650

PCT FREQ NM <5/8: 76.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	OBS/CD	TOTAL OBS
30.5	13.7	11.7	8.6	7.2	5.3	4.4	3.1	2.4	.7	5417

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PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
2<5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
TOT %	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	
PCP	.1	.1	.1	.1	.0	.0	.2	.0	.0	.0	.6	
5<10	1.6	.5	.2	.1	.1	.3	1.3	.0	.2	.4	4.6	
TOT %	1.8	.6	.4	.2	.1	.3	1.5	.0	.2	.5	5.2	
PCP	.2	.1	.1	.0	.0	.0	.1	.0	.0	.0	.8	
10+>	30.3	10.2	3.6	2.0	1.2	1.2	6.6	33.8	.0	4.7	93.5	
TOT %	30.3	10.2	3.7	2.1	1.2	1.2	6.6	34.0	.0	4.7	94.2	
TOT OBS												6002
TOT PCT	32.2	11.1	4.1	2.3	1.4	1.4	7.0	35.5	.0	5.0	100.0	

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAP	CLM	PCT	TOTAL GBS
1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.	
	*-10	.0	.0	.	.0	.0	.	.	.1	.0	.	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	
	TOT L	.0	.0	.	.0	.0	.0	.	.1	.0	.	.1	
1/2<1	0-3	.0	.	.0	.0	.0	.0	.0	.0	.0	.	.	
	*-10	.	.	.	.	.0	.0	.0	.0	.0	.	.	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.	
	TOT L	.	.	.	.	.0	.0	.0	.	.0	.	.1	
1<2	0-3	.	.0	.	.	.0	.0	.0	.0	.0	.	.	
	*-10	.	.	.	.	.0	.0	.	.	.	.	.1	
	11-21	.	.	.	.0	.0	.	.	.	.	.	.
	22+	.0	.0	.0	.0	.0	.0	.0	.	.	.	.0	
	TOT L	.	.	.	.	.0	.	.	.	.0	.	.2	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.	
	*-10	.1	.1	.	.	.	.	.0	.1	.0	.	.3	
	11-21	.1	.1	.	.	.0	.0	.	.	.	.	.2	
	22+	.0	.0	.0	.	.	.0	.0	.	.	.	.
	TOT L	.2	.1	.	.1	.	.	.	.1	.0	.	.6	
5<10	0-3	.2	.	.	.	.	.	.1	.2	.0	.2	.8	
	*-10	1.0	.4	.2	.1	.1	.	.2	.8	.	.	2.8	
	11-21	.5	.2	.1	.	.	.	.1	.	.	.	1.3	
	22+	.	.	.0	.0	.0	.	.	.	.	.	.1	
	TOT L	1.7	.6	.3	.2	.1	.1	.3	1.4	.0	.2	5.0	
10+	0-3	2.2	.7	.5	.4	.3	.	1.1	2.2	.0	.4	12.4	
	*-10	14.1	4.1	2.3	1.3	.9	.7	4.2	19.1	.0	.	74.8	
	11-21	10.0	3.3	.7	.4	.1	1.2	12.1	.0	.	.	50.7	
	22+	.6	.2	.	.0	.	.	.	.5	.0	.	1.4	
	TOT L	30.3	10.3	3.7	2.1	1.3	1.2	6.5	33.8	.0	.4	94.0	
TOT GBS													
TOT PCT													
		32.2	11.0	4.1	2.4	1.5	1.4	6.4	35.5	.0	5.1	100.0	7254

JANUARY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1863-1979AREA 0002 SOUTHWEST BAJA
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, AM 34/8) AND
OCCURRENCE OF NM 45/8 BY HOUR

HOUR (GMT)	000	150	300	400	1000	2000	3500	5000	6500	8000+	TOTAL	NM 45/8 ANY HGT	TOTAL OBS
0000	.4	.4	.7	3.5	6.0	4.4	2.5	.9	.7	.8	21.1	78.9	1624
0600	.2	.1	.8	3.6	8.2	4.5	2.2	.7	.5	.8	21.6	78.4	1319
1200	.7	.2	1.1	3.8	8.4	4.4	2.2	.7	.9	.6	22.9	77.1	1221
1800	.3	.1	1.1	4.6	9.7	6.2	2.1	1.1	1.0	.7	26.9	73.1	1684
TOT	22	12	54	229	484	290	131	51	44	42	1359	4489	5848
PCT	.4	.2	.9	3.9	8.3	5.0	2.2	.9	.8	.7	23.2	76.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.1	.1	.2	.5	3.7	95.4	1944
0600	.1	.1	.2	.5	6.0	93.1	1675
1200	.2	.3	.2	.8	7.4	91.1	1679
1800	.1	.1	.0	.5	3.3	95.9	2062
TOT	8	10	12	41	367	6972	7360
PCT	.1	.1	.2	.6	5.0	94.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, AM 34/8), BY HOUR

HOUR (GMT)	<150 CEILING	<400 CEILING	<1000 CEILING	<1000+ CEILING	NM 45/8 ANY HGT	TOTAL OBS
0000	.4	1.5	5.4	16.4	78.9	1572
0600	.2	1.1	4.9	17.3	77.8	1277
1200	.7	2.0	6.2	17.7	76.1	1178
1800	.3	1.6	6.5	21.1	72.2	1623
TOT	21	47	126	1033	4291	5650
PCT	.4	1.5	5.8	18.3	75.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
80/84	.0	.0	.0	.1	.2	.1	.0	.0	24	.4
75/79	.0	.0	.1	.8	1.5	1.0	.4	.2	27	.7
70/74	.0	.1	.4	2.5	8.4	10.7	6.4	2.3	1616	31.4
65/69	.0	.1	.7	3.2	8.4	14.6	14.4	4.6	2686	48.5
60/64	.0	.0	.2	1.1	3.4	5.2	4.4	2.0	939	16.2
55/59	.0	.0	.0	.1	.2	.2	.1	.1	62	.7
50/54	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
TOTAL	2	16	86	454	1312	1861	1519	532	5781	100.0
PCT	.0	.3	1.5	7.9	22.7	32.2	26.1	9.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80/84	.2	.1	.0	.0	.0	.0	.0	.1	.0	.0
75/79	1.4	.8	.3	.2	.1	.1	.3	1.3	.0	.2
70/74	9.3	3.6	1.6	.9	.6	.6	2.7	10.0	.0	2.4
65/69	15.1	4.7	1.7	.9	.6	.5	2.6	17.0	.0	2.4
60/64	6.1	1.7	.4	.3	.1	.1	.9	5.4	.0	.6
55/59	.3	.2	.0	.0	.0	.0	.0	.2	.0	.0
50/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	52.5	11.1	4.1	2.2	1.4	1.3	6.4	35.4	.0	5.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEC F) BY HOUR

HOUR (GMT)	MAX	908	958	908	58	18	MIN	MEAN	TOTAL OBS
0000	86	80	76	70	61	61	50	69.5	1893
0600	85	75	72	67	62	60	50	67.2	1689
1200	87	76	72	66	60	59	50	68.1	1730
1800	86	76	76	69	61	54	51	69.1	2178
TOT	86	78	74	68	62	54	50	68.2	7590

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.1	12.4	27.8	32.8	20.7	6.0	.7	.2	72	1550
0600	.0	6.1	17.1	31.4	33.1	11.7	.7	.7	77	1319
1200	.0	6.4	19.1	30.9	32.4	11.4	.7	.7	77	1310
1800	.0	12.0	27.4	33.1	20.6	6.4	.7	.7	72	1684
TOT	.2	5.9	19.1	30.8	32.8	11.4	.7	.7	76	5864

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PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1963-1979AREA 0002 SOUTHWEST BAJA
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	% FOG	% FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	.0	.1
11/13	.0	.0	.0	.0	.1	.0	.1	.0	.1	.0	25	.0	.4
9/10	.0	.0	.0	.0	.0	.1	.2	.2	.0	.0	30	.0	.5
7/8	.0	.0	.0	.0	.1	.3	.4	.4	.1	.0	84	.0	1.3
6	.0	.0	.0	.0	.1	.2	.3	.1	.0	.0	53	.0	.8
5	.0	.0	.0	.1	.2	.5	.5	.3	.0	.0	102	.0	1.6
4	.0	.0	.0	.1	.5	1.0	.7	.2	.0	.0	162	.0	2.5
3	.0	.0	.0	.1	.6	1.6	.8	.1	.0	.0	165	.0	2.6
2	.0	.0	.0	.1	.9	2.2	1.0	.1	.0	.0	282	.0	4.4
1	.0	.0	.0	.3	1.3	2.2	1.0	.2	.0	.0	322	.0	5.0
0	.0	.0	.0	.3	1.0	2.7	4.4	1.4	.1	.0	615	.0	9.6
-1	.0	.0	.0	.6	3.2	3.6	1.0	.0	.0	.0	549	.1	8.5
-2	.0	.0	.1	1.5	5.1	5.1	1.0	.0	.0	.0	818	.1	12.7
-3	.0	.0	.0	1.2	4.4	3.9	.8	.0	.0	.0	662	.1	10.3
-4	.0	.0	.2	2.3	5.5	2.9	.4	.0	.0	.0	775	.0	11.3
-5	.0	.0	.2	2.0	4.6	2.3	.2	.0	.0	.0	598	.0	9.3
-6	.0	.0	.2	1.7	2.7	1.5	.1	.0	.0	.0	399	.0	6.2
-7/-8	.0	.0	.4	2.2	3.6	1.1	.0	.0	.0	.0	469	.0	7.3
-9/-10	.0	.0	.3	1.6	1.1	.2	.0	.0	.0	.0	209	.0	3.2
-11/-13	.0	.0	.3	.8	.4	.1	.0	.0	.0	.0	106	.0	1.7
-14/-16	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	12	.0	.2
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	.0	.1
-20/-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	2	7	120	1010	2094	127	4	6405	25	6380			
PCT	.0	.1	1.9	15.8	37.1	32.7	10.0	2.0	.4	.1	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
01	1.0	1.9	.1	.0	.0	.0	3.0	.4	.9	.1	.0	.0	.0	1.4
1-2	.7	10.5	3.9	.0	.0	.0	15.1	.3	3.5	1.1	.0	.0	.0	4.9
3-4	.0	5.5	5.9	.1	.0	.0	11.5	.0	1.7	1.8	.1	.0	.0	3.6
5-6	.0	1.1	3.0	.3	.0	.0	4.4	.0	.3	.9	.0	.0	.0	1.2
7	.0	.3	.7	.1	.0	.0	1.2	.0	.1	.1	.1	.0	.0	.3
8-9	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	19.4	15.7	.7	.0	.0	35.5	.7	6.6	6.0	.2	.0	.0	11.5

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
01	.1	.2	.0	.0	.0	.0	.3	.2	.2	.0	.0	.0	.0	.4
1-2	.0	1.6	.2	.0	.0	.0	1.8	.1	1.3	.1	.0	.0	.0	1.5
3-4	.1	.6	.0	.0	.0	.0	1.3	.0	.3	.1	.0	.0	.0	.4
5-6	.0	.1	.1	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.5	1.0	.0	.0	.0	3.7	.1	1.8	.1	.0	.0	.0	2.4

PERIOD: (OVER-ALL) 1963-1979

JANUARY

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 10 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.4	.0	.1	.1	.0	.0	.0	.2
1-2	.1	.4	.1	.0	.0	.0	.4	.1	.2	.0	.0	.0	.0	.4
3-4	.0	.3	.2	.0	.0	.0	.5	.0	.2	.0	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.1	.3	.0	.0	.0	1.6	.2	.6	.1	.1	.0	.0	1.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.6	.6	.0	.0	.0	.0	1.2	1.2	2.8	.0	.0	.0	.0	.0	4.0
1-2	.4	1.6	.4	.0	.0	.0	2.4	1.1	10.4	3.4	.0	.0	.0	.0	14.9
3-4	.1	1.0	.3	.0	.0	.0	1.3	.1	9.4	6.1	.0	.0	.0	.0	10.8
5-6	.0	.3	.2	.0	.0	.0	.5	.0	.9	2.6	.1	.0	.0	.0	3.6
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	1.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	3.4	.9	.0	.0	.0	5.3	2.5	16.9	12.4	.2	.0	.0	36.4	95.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	8.5	6.9	.3	.0	.0	.0	15.6	
1-2	3.4	29.3	9.0	.0	.0	.0	41.7	
3-4	.3	14.1	14.8	.1	.0	.0	29.4	
5-6	.1	2.7	6.8	.4	.0	.0	10.0	
7	.0	.6	1.6	.3	.1	.0	2.5	
8-9	.0	.0	.3	.1	.0	.0	.4	
10-11	.0	.0	.1	.2	.0	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	1536
TOT PCT	12.3	53.6	32.4	1.1	.1	.0	100.0	

PERIOD: (OVER-ALL) 1969-1979

TABLE 14

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-14	15-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
6	6.3	21.5	14.2	6.4	2.3	.5	.1	*	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	2830	7
6-7	.1	3.2	7.0	5.5	1.4	.4	.2	.1	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	946	4
8-9	.1	.7	2.2	2.5	1.0	.4	.4	.1	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	339	5
10-11	.0	.8	1.0	.9	.5	.3	.1	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	183	5
12-13	.0	.0	1.0	.5	.2	.2	.1	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	107	5
14-15	.0	.0	.6	.5	.2	.2	.1	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	44	7
16-17	.0	.0	.0	.0	.0	.0	.0	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	533	2
TOTAL	62.4	140.0	159.4	87.2	33.9	12.2	5.4	17	14	*	*	0	0	0	0	0	0	0	0	0	5827	7
PCT	12.4	27.6	31.7	17.3	6.3	2.4	1.1	.3	.4	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1859-1979AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG W/ PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NC SIG WEA
N	.5	.2	.2	.0	.0	.0	.0	.0	.3	.0	.3	.1	.0	.0	97.7
NE	1.5	.4	.7	.0	.0	.0	.0	2.6	.0	.0	.4	.0	.0	.0	95.4
E	2.3	.6	1.0	.0	.0	.0	.0	4.7	1.4	.0	.0	.0	1.1	.0	91.0
SE	4.0	.9	3.0	.0	.0	.0	.0	8.7	.9	.0	1.1	.0	1.1	.4	87.7
S	4.0	.0	2.1	.0	.0	.0	.0	6.8	.0	.0	.0	.0	1.2	.0	91.1
SW	2.0	.3	.0	.0	.0	.0	.0	2.3	1.2	.0	.0	.0	.3	.0	95.0
W	.0	.3	.0	.0	.0	.0	.0	.3	.7	.1	.0	.0	2.2	.0	96.0
NW	.3	.2	.1	.0	.0	.0	.0	.0	.7	.0	.3	.0	.0	.1	97.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.4	.0	.0	.0	.0	.4	.4	.0	2.5	.0	2.5	.0	90.3
TOT PCT	.6	.2	.3	.0	.0	.0	.0	1.1	.4	.0	.5	.1	1.2	.1	90.0
TOT OBS:	6882														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG W/ PCPN	FOE W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NC SIG WEA
0000	.5	.2	.3	.0	.0	.0	.0	1.0	.5	.0	.1	.0	1.4	.1	96.5
0600	.6	.2	.3	.0	.0	.0	.0	1.1	.4	.1	.1	.0	.0	.0	97.5
1200	.0	.4	.3	.0	.0	.0	.0	1.5	.1	.1	.5	.0	.7	.0	95.0
1800	.5	.0	.3	.0	.0	.0	.0	.8	.4	.0	.4	.2	1.7	.1	90.0
TOT PCT	.6	.2	.3	.0	.0	.0	.0	1.1	.4	.0	.5	.1	1.2		
TOT OBS:	6813														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	C-3	4-10	11-21	22-32	33-47	48+	00				03	06	09	12	15	18	21	
N	1.0	15.0	11.4	.7	.0	.0		28.9	10.5		21.7	23.3	25.4	14.2	34.0	30.0	35.1	24.6
NE	.7	4.1	2.1	.2	.0	.0		7.2	9.4		5.2	3.7	6.1	4.3	7.4	8.9	9.2	13.4
E	.4	1.4	.5	.0	.0	.0		2.5	7.8		1.6	1.2	1.9	5.1	2.4	3.2	3.0	4.0
SE	.4	1.0	.2	.0	.0	.0		1.7	6.6		1.5	2.9	1.5	1.7	1.2	2.0	2.3	.4
S	.2	.9	.7	.0	.0	.0		1.3	7.4		1.0	1.2	1.4	1.7	.9	.7	1.2	.9
SW	.2	.9	.1	.0	.0	.0		1.3	7.4		2.0	2.5	.0	2.3	1.0	2.0	1.0	1.0
W	.0	4.8	2.0	.0	.0	.0		7.8	8.5		13.4	6.6	6.6	11.9	5.7	5.4	5.5	3.6
NW	7.2	23.7	18.2	.4	.0	.0		44.9	10.6		50.2	55.2	50.8	50.3	41.8	42.5	37.4	49.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.5	.0	.0	.0	.0	.0		4.5	.0		2.8	3.3	5.5	4.5	5.6	4.9	4.6	1.9
TOT OBS	419	3724	2487	137	2	0		7169	9.6		1728	121	1475	84	1435	204	2006	112
TOT PCT	11.4	51.4	34.7	1.4	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	7.5	10.3	3.0	.1	.0				21.8	24.9	33.5	34.6
NE	2.6	3.9	.6	.0	.0				5.1	6.1	7.6	9.4
E	1.7	1.1	.2	.0	.0				1.4	2.0	2.5	3.4
SE	1.0	.6	.1	.0	.0				1.7	4.6	.4	1.3
S	.7	.5	.1	.0	.0				1.6	1.4	.9	1.2
SW	.7	.5	.1	.0	.0				1.3	7.4	2.1	.9
W	3.2	4.2	.4	.0	.0				13.0	6.9	5.7	5.4
NW	10.3	24.2	5.2	.2	.0				44.9	10.6	50.5	40.8
VAR	.0	.0	.0	.0	.0				.0	.0	.0	.0
CALM	4.5	.0	.0	.0	.0				2.8	3.3	5.6	4.4
TOT OBS	7278	4174	689	24	0				7169			
TOT PCT	71.8	46.1	9.4	.3	.0				100.0			

FEBRUARY

PERIOD: (PRIMARY) 1951-1974
(COVER-ALL) 1959-1974

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (C/T)

HOUR	CALP	1-3	4-10	WIND SPEED (KNOTS)				NN	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	2.8	6.8	51.0	37.3	7.1	.0	.0	.0	9.9	100.0	1849
0600	5.4	5.5	52.1	34.6	1.9	.1	.0	.0	9.6	100.0	1563
1200	5.6	5.9	57.1	34.1	1.4	.0	.0	.0	9.6	100.0	1619
1800	4.4	8.9	51.7	32.7	2.2	.0	.0	.0	9.3	100.0	2165
TOT	322	497	3724	2487	137	2	0	0	9.6		7169
PCT	4.5	6.9	51.9	34.7	1.9	0	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	15.6	4.0	6.7	2.2		2.9
NE	1.5	1.1	1.6	.9		1.2
E	1.1	.3	.6	.4		1.3
SE	.6	.2	.5	.2		1.9
S	.4	.2	.4	.2		4.3
SW	.4	.1	.5	.2		4.1
W	4.7	1.5	1.8	.7		3.1
NW	23.7	7.3	9.9	1.7		2.8
VAR	.0	.0	.0	.0		.0
CALP	2.5	.4	.4	.4		2.7
TOT OBS	2818	899	1230	494	5441	2.9
TOT PCT	51.4	16.5	22.6	9.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/P)
AND OCCURRENCE OF NH <5/P BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER	100 149	150 269	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+ ANY HGT	NH <5/P ANY HGT	TOTAL OBS
N	15.6	4.0	6.7	2.2		2.9	.7	.0	.1	.8	1.9	1.1	.6	.2	.2	.2	24.5	
NE	1.5	1.1	1.6	.9		1.2	0	.0	.1	.2	.4	.3	.2	.1	0	0	5.9	
E	1.1	.3	.6	.4		1.3	0	.0	.1	.1	.1	0	.1	.1	0	0	1.8	
SE	.6	.2	.5	.2		1.9	0	0	0	.1	.1	.1	.1	0	.0	.0	1.1	
S	.4	.2	.4	.2		4.3	0	.0	0	.1	.1	.1	0	0	.0	.0	.9	
SW	.4	.1	.5	.2		4.1	.0	.0	0	.1	.1	.1	0	0	.0	.0	.9	
W	4.7	1.5	1.8	.7		3.1	0	.0	.1	.2	.4	.3	0	0	.0	.0	4.9	
NW	23.7	7.3	9.9	1.7		2.8	.1	.1	.2	1.5	2.9	1.7	1.0	.7	.2	.4	16.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALP	2.5	.4	.4	.4		2.7	.1	.0	0	.2	.1	.1	.1	.0	0	0	1.9	
TOT OBS	2818	899	1230	494	5441	2.9	23	4	30	173	356	200	126	46	25	37	4421	5441
TOT PCT	51.4	16.5	22.6	9.1	100.0		.4	.1	.6	3.2	6.5	3.7	2.3	.8	.5	.7	81.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/P) AND VSBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM)				= OR >50YD	= OR >0
				= OR >1	= OR >1/2	= OR >1/4			
= OR >6500	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
= OR >5000	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
= OR >3500	4.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
= OR >2000	7.4	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
= OR >1000	13.2	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.5
= OR >600	16.0	17.6	17.7	17.7	17.7	17.7	17.7	17.7	17.7
= OR >300	16.4	18.0	18.2	18.2	18.2	18.2	18.2	18.2	18.2
= OR >150	16.4	18.1	18.3	18.3	18.3	18.3	18.3	18.3	18.3
= OR >0	16.7	18.4	18.6	18.6	18.7	18.7	18.7	18.7	18.7
TOTAL	9.22	10.18	10.28	10.30	10.33	10.33	10.35	10.35	

TOTAL NUMBER OF OBS: 5530

PCT FREQ NH <5/P: 81.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
41.4	12.9	11.1	4.9	6.6	4.2	4.7	4.6	5.3	.3	5812

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1859-1979

FEBRUARY

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	NO PCP	.1	.1	.0	.0	.0	.0	.0	.2	.0	.0	.0	.4
	TOT %	.1	.1	.0	.0	.0	.0	.0	.2	.0	.0	.0	.5
5<10	PCP	.1	.1	.0	.0	.1	.0	.0	.1	.0	.0	.0	.4
	NO PCP	1.4	.3	.2	.1	.0	.1	.4	2.1	.0	.3	.4	4.8
	TOT %	1.5	.4	.2	.1	.1	.1	.4	2.1	.0	.3	.4	5.2
10+	PCP	.1	.1	.0	.1	.0	.0	.0	.2	.0	.0	.0	.5
	NO PCP	27.4	6.5	2.2	1.4	1.2	1.2	7.4	42.4	.0	3.9	93.6	
	TOT %	27.5	6.6	2.2	1.4	1.2	1.2	7.4	42.6	.0	3.9	94.1	
TOT OBS													6655
TOT PCT													29.1 7.1 2.5 1.7 1.3 1.3 7.8 45.0 .0 4.3 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.0	.1	.1	.0	.0	.0	.0	.2	.0	.0	.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.1	.1	.0	.0	.0	.0	.3	.0	.0	.5	
5<10	0-3	.1	.0	.0	.1	.0	.0	.0	.2	.0	.3	.7	
	4-10	.6	.2	.1	.1	.1	.1	.2	1.2	.0		2.5	
	11-21	.7	.1	.1	.0	.0	.0	.1	.8	.0		1.9	
	22+	.1	.0	.0	.0	.0	.0	.0	.1	.0		.2	
	TOT %	1.5	.4	.2	.2	.1	.1	.3	2.2	.0	.3	5.2	
10+	0-3	1.6	.6	.4	.4	.2	.1	.9	1.9	.0	4.1	10.2	
	4-10	14.2	3.8	1.4	.9	.8	.9	4.5	22.4	.0		48.9	
	11-21	10.8	1.9	.4	.1	.2	.1	2.0	17.4	.0		32.9	
	22+	.7	.2	.0	.0	.0	.0	.0	.8	.0		1.8	
	TOT %	27.3	6.6	2.2	1.4	1.2	1.2	7.3	42.6	.0	4.1	93.8	
TOT OBS													6960
TOT PCT													28.9 7.1 2.5 1.6 1.3 1.3 7.7 45.2 .0 4.4 100.0

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PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1859-1979

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.2	.0	.5	2.2	6.1	3.4	2.0	1.0	.8	.8	17.0	83.0	1547
06009	.5	.2	.6	2.8	4.8	3.0	2.2	.9	.3	.6	15.9	84.1	1266
12015	.7	.2	.4	3.4	7.0	3.1	2.6	.5	.2	.8	18.8	81.2	1245
18021	.3	.0	.7	3.6	7.3	4.6	2.3	.8	.3	.6	20.5	79.5	1687
TOT	23	4	31	173	366	205	130	46	25	40	1043	4702	5745
PCT	.4	.1	.5	3.0	6.4	3.6	2.3	.8	.4	.7	18.2	81.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.1	.1	.5	4.1	95.2	1846
06009	.1	.0	.1	.6	6.5	92.7	1567
12015	.2	.2	.2	.9	5.9	92.7	1621
18021	.2	.0	.2	.6	5.0	93.9	2059
TOT	10	7	10	44	375	6647	7093
PCT	.1	.1	.1	.6	5.3	93.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.2	.7	3.2	14.4	82.4	1487
06009	.5	1.2	4.7	12.0	83.3	1225
12015	.8	1.3	5.1	14.7	80.2	1194
18021	.3	1.0	5.0	16.1	78.8	1624
TOT	23	59	247	798	4485	5530
PCT	.4	1.1	4.5	14.4	81.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.1	.0	.0	.0	.0	3	.1
80/84	.0	.0	.0	.1	.2	.1	.1	.0	25	.4
75/79	.0	.0	.2	.6	1.1	1.3	.4	.1	210	3.7
70/74	.0	.0	.4	2.0	5.9	8.0	5.0	1.5	1289	22.7
65/69	.0	.1	.7	3.4	8.2	14.3	15.1	5.2	2665	47.0
60/64	.0	.0	.2	1.3	5.5	7.1	7.8	2.6	1398	24.7
55/59	.0	.0	.1	.1	.2	.5	.3	.1	77	1.4
50/54	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
TOTAL	0	10	92	437	1193	1775	1623	543	5668	100.0
PCT	.0	.2	1.6	7.6	21.0	31.3	28.6	9.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80/84	.1	.0	.0	.0	.0	.0	.1	.2	.0	.0
75/79	1.0	.3	.1	.1	.1	.0	.3	1.6	.0	.2
70/74	6.4	2.0	.8	.6	.5	.3	2.4	8.6	.0	1.2
65/69	13.6	3.2	1.2	.7	.5	.7	3.7	21.0	.0	2.3
60/64	7.9	1.6	.4	.1	.1	.3	1.3	12.2	.0	.7
55/59	.6	.1	.0	.0	.0	.0	.0	.6	.0	.1
50/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	29.6	7.3	2.6	1.5	1.2	1.3	7.8	44.2	.0	4.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	88	80	76	69	63	60	55	69.0	1872
06009	82	74	71	66	61	59	55	66.1	1585
12015	81	73	70	65	60	57	54	65.1	1666
18021	90	78	75	68	62	59	54	68.3	2133
TOT	90	78	74	67	61	59	54	67.3	7256

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	14.1	24.7	32.6	23.2	5.4	72	1523
06009	.0	4.7	16.2	28.0	36.1	14.9	78	1287
12015	.0	3.7	16.0	29.2	36.9	14.2	78	1308
18021	.0	13.0	25.0	34.1	21.7	6.1	72	1670
TOT	0	54.1	1212	1809	1663	563	75	5788

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1959-1979

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT FOG	N FOG	MO FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	.0	.1
14/16	.0	.0	.0	.0	.0	.0	.1	.1	.0	14	.0	.2
11/13	.0	.0	.0	.0	.1	.2	.1	.1	.0	28	.0	.5
9/10	.0	.0	.0	.1	.1	.2	.3	.1	.0	51	.0	.9
7/8	.0	.0	.1	.1	.5	.5	.2	.0	.0	94	.0	1.5
6	.0	.0	.0	.2	.4	.4	.1	.0	.0	73	.0	1.1
5	.0	.0	.1	.4	.7	.7	.2	.0	.0	129	.0	2.1
4	.0	.0	.2	1.0	1.3	.8	.2	.0	.0	211	.1	3.3
3	.0	.0	.1	.9	1.4	.9	.2	.0	.0	213	.0	3.4
2	.0	.0	.6	1.9	2.5	.7	.1	.0	.0	363	.0	5.8
1	.0	.0	.5	2.3	2.5	.8	.0	.0	.0	384	.0	6.1
0	.0	.1	1.7	5.4	3.8	.8	.1	.0	.0	740	.1	11.8
-1	.0	.1	1.8	4.5	3.3	.5	.0	.0	.0	635	.0	10.2
-2	.0	.2	3.2	5.5	3.1	.4	.0	.0	.0	764	.0	12.3
-3	.0	.4	2.8	4.7	2.3	.2	.0	.0	.0	639	.0	10.3
-4	.0	.6	3.7	4.4	1.8	.1	.0	.0	.0	654	.1	10.5
-5	.0	.5	2.5	2.8	1.3	.1	.0	.0	.0	448	.0	7.2
-6	.0	.4	2.2	1.6	.4	.0	.0	.0	.0	304	.0	4.9
-7/-8	.0	.6	2.1	1.7	.4	.0	.0	.0	.0	302	.0	4.8
-9/-10	.0	.3	.8	.5	.1	.0	.0	.0	.0	113	.0	1.8
-11/-13	.0	.1	.3	.2	.0	.0	.0	.0	.0	39	.0	.6
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	13	213	1406	2390	1617	547	102	24	4	6216	27	6189
PCT	.2	3.4	22.6	38.4	26.0	7.2	1.6	.4	.1	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.7	.0	.0	.0	.0	2.3	.2	.9	.1	.0	.0	.0	1.1
1-2	.5	9.4	3.1	.0	.0	.0	13.0	.1	2.8	.8	.0	.0	.0	3.7
3-4	.2	5.4	6.5	.2	.0	.0	12.4	.0	1.2	1.0	.2	.0	.0	2.4
5-6	.0	.4	2.4	.4	.0	.0	3.7	.0	.1	.7	.1	.0	.0	.8
7	.0	.1	.9	.2	.0	.0	1.2	.0	.1	.2	.1	.0	.0	.3
8-9	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	17.5	13.1	.8	.0	.0	32.8	.2	5.0	2.7	.4	.0	.0	8.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.3	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
1-2	.2	.4	.1	.0	.0	.0	.9	.0	.7	.0	.0	.0	.0	.7
3-4	.1	.4	.5	.0	.0	.0	1.0	.0	.1	.1	.0	.0	.0	.2
5-6	.1	.0	.3	.0	.0	.0	.3	.0	.0	.0	.1	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	1.3	.9	.0	.0	.0	2.7	.1	.8	.1	.1	.0	.0	1.0

67 37848

[illegible]

TABLE 10 (CONT)

APR 1968 SOUTHWEST 2000 111-44

PERIOD: (OVER-ALL) 1963-1979

	1-3	4-10	11-21	22-33	34-47	48+	TOTAL
HST	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	2.3	.1	.6	.9	.0	.0
1-2	.4	.8	.0	.0	.0	.0	.0
3-4	.1	1.0	1.2	2.3	7.5	6.5	17.2
5-6	.7	.1	.5	.0	.3	.9	5.1
7	.2	.0	.2	.0	.5	.9	1.2
8-9	.0	.0	.0	.0	.1	.4	.5
10-11	.0	.0	.0	.0	.1	.9	.0
12	.0	.0	.0	.0	.0	.1	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	4.5	2.5	4.0	15.6	18.0	96.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1875-1979

MARCH

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WNO DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PAST HR	SMOKE HAZE	SPRAY BLUG SNOW	DUST BLUG SNOW	NO SIG WEA
N	.1	.1	.1	.0	.0	.0	.0	.3	.1	.1	.3	.0	.8	.0	.0	98.4
NE	.4	.0	.4	.0	.0	.0	.0	.9	.0	.1	.3	.0	1.3	.0	.0	97.4
E	.0	.0	.0	.0	.0	.0	.0	.0	3.0	2.6	1.1	.0	1.5	.0	.0	91.9
SE	1.5	1.9	1.5	.0	.0	.0	.0	4.8	.0	.0	2.2	.0	.0	.0	.0	92.9
S	.0	1.1	.0	.0	.0	.0	.0	1.1	.0	1.5	.7	1.5	1.5	.0	.0	93.7
SW	.3	.0	1.0	.0	.0	.0	.0	1.3	1.0	.0	1.0	.0	1.3	.0	.0	95.4
W	.3	.2	.3	.0	.0	.0	.0	.8	.1	.0	.6	.1	3.1	.0	.0	95.2
NW	.1	.1	.0	.0	.0	.0	.0	.2	.1	.0	.6	.0	1.9	.1	.0	97.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.5	.0	.0	.0	.0	.0	.0	.5	.0	.0	2.1	.5	1.1	.0	.0	95.8
TOT PCT	.2	.1	.1	.0	.0	.0	.0	.4	.2	.1	.6	.1	1.7	.0	.0	97.0
TOT OBS:	7666															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG	
00003	.2	.1	.2	.0	.0	.0	.0	.4	.1	.0	.3	.0	2.3	.0	97.0	
06009	.2	.2	.1	.0	.0	.0	.0	.4	.1	.3	.3	.1	1.5	.1	97.2	
12015	.1	.1	.1	.0	.0	.0	.0	.3	.2	.0	.6	.1	1.4	.1	97.3	
18021	.2	.1	.0	.0	.0	.0	.0	.3	.3	.0	1.1	.2	1.6	.0	96.4	
TOT PCT	.2	.1	.1	.0	.0	.0	.0	.4	.2	.1	.6	.1	1.7	.0	97.0	
TOT OBS:	7774															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-32	34-47	48+					00	03	06	09	12	15	18	21
N	1.0	9.9	10.0	.8	.0	.0		21.8	11.6		15.2	17.6	20.1	10.5	25.6	21.2	26.7	26.8
NE	.4	1.8	.8	.1	.0	.0		3.1	9.0		2.1	2.7	3.1	.2	3.5	3.5	3.6	3.7
E	.2	.5	.1	.0	.0	.0		.9	6.6		.5	.0	1.0	.0	1.3	.0	1.0	.7
SE	.2	.5	.1	.0	.0	.0		.8	7.1		.5	.7	.9	.8	1.0	1.6	1.0	1.1
S	.1	.7	.1	.0	.0	.0		.9	7.1		1.1	.0	.9	.4	.7	1.1	.8	1.4
SW	.2	.9	.1	.0	.0	.0		1.3	7.1		2.1	1.7	.9	3.2	.6	.9	1.4	1.1
W	.9	5.9	3.1	.1	.0	.0		10.0	9.3		15.5	10.4	10.3	23.0	6.3	7.3	7.5	6.5
NW	2.0	25.7	28.5	2.3	.1	.0		58.7	11.8		61.7	66.1	59.2	60.3	58.0	62.4	55.1	58.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.5			.0	.0	.0		2.5	.0		1.3	.7	3.6	.0	3.0	1.8	2.9	.7
TOT OBS	625	3780	3522	281	7	0		8215	11.0		1957	146	1754	124	1643	219	2330	142
TOT PCT	7.6	46.0	42.9	3.4	.1	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	4.2	13.6	3.8	.2	.0		21.8	11.6	15.3	19.4	25.1	26.7
NE	1.2	1.6	.3	.0	.0		3.1	9.0	2.2	2.9	3.5	3.6
E	.5	.4	.0	.0	.0		.9	6.6	.5	1.0	1.1	1.0
SE	.5	.3	.0	.0	.0		.8	7.1	.5	.9	1.0	1.0
S	.5	.4	.0	.0	.0		.9	7.1	1.0	.9	.8	.9
SW	.7	.5	.0	.0	.0		1.3	7.1	2.1	1.1	.6	1.3
W	3.3	6.0	.7	.0	.0		10.0	9.3	15.1	11.2	6.4	7.5
NW	9.6	38.7	10.0	.2	.0		58.7	11.8	62.0	59.3	58.5	55.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.5			.0	.0		2.5	.0	1.3	3.4	2.9	2.7
TOT OBS	1910	5044	1225	36	0		8215	11.0	2103	1878	1862	2372
TOT PCT	23.3	61.4	14.9	.4	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1875-1979

MARCH

AREA 0002 SOUTHWEST BAJA
23.4N 111.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000	1.3	4.3	43.8	46.5	4.1	.1	.0	11.6	100.0	2103
0400	3.4	4.7	47.0	41.6	3.4	.0	.0	10.8	100.0	1878
1215	2.9	4.4	47.7	42.1	2.9	.1	.0	10.8	100.0	1862
1842	2.7	6.6	45.9	41.3	3.3	.2	.0	10.7	100.0	2372
TOT	209	416	3780	3522	281	7	0	11.0		8215
PCT	2.5	5.1	46.0	42.9	3.4	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 10		MEAN CLOUD COVER
				OBSCD	OBS	
N	10.6	4.4	6.3	1.5		3.2
NE	1.6	.6	.8	.1		2.9
E	.4	.2	.2	0		3.1
SE	.4	.1	.2	.2		3.7
S	.3	.2	.2	.2		4.1
SW	.6	.3	.3	.1		3.0
W	4.8	1.9	2.3	.8		3.0
NW	27.8	10.9	14.5	4.5		3.1
VAR	.0	.0	.0	.0		.0
CALM	1.7	.3	.5	.1		2.2
TOT OBS	2993	1171	1571	475	6210	3.1
TOT PCT	48.2	18.9	25.3	7.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

FOO	150	300	600	1000	2000	3500	5000	6500	8000+	NM <5/8	TOTAL
											ANY HGT OBS
149	299	599	999	1999	3999	4999	6499	7999			
.1	.0	.1	.6	1.8	1.1	.5	.1	.1	.2	18.1	
0	.0	0	.1	.3	.1	.1	.1	0	0	2.5	
0	.0	.0	0	.1	0	0	.0	0	.C	.7	
0	.0	0	0	.1	0	0	0	0	.C	.5	
0	.0	0	.1	.1	0	.C	0	0	.C	.6	
0	.0	.C	0	.1	0	0	0	.C	.C	1.1	
0	.0	.3	.7	.4	.2	.1	.1	.1	.1	7.9	
.2	.1	.3	1.5	4.5	2.7	1.1	.3	.2	.3	46.3	
.0	.C	0	.0	.0	.C	.0	.0	.C	.C	.0	
0	.0	.0	0	.1	.1	.1	0	.0	0	2.3	
28	35	166	480	290	127	42	31	37	4969	6210	
.5	.1	.6	2.7	7.7	4.7	2.0	.7	.5	.6	80.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NMI)

CEILING (FEET)	VSBY (NMI)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
= OR >5000	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
= OR >3500	3.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8
= OR >2000	7.8	8.4	8.5	8.5	8.5	8.5	8.5	8.5
= OR >1000	19.1	19.1	19.2	19.2	19.2	19.2	19.2	19.2
= OR >600	17.3	19.7	19.8	19.8	19.8	19.8	19.8	19.8
= OR >300	17.7	19.2	19.3	19.4	19.4	19.4	19.4	19.4
= OR >150	17.8	19.3	19.4	19.4	19.4	19.5	19.5	19.5
= OR >0	18.1	19.6	19.8	19.9	19.9	19.9	19.9	19.9
TOTAL	11.72	12.31	12.41	12.45	12.45	12.47	12.49	12.49

TOTAL NUMBER OF OBS: 6271

PCT FREQ NM <5/8: 80.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OPSCD	TOTAL OBS
37.8	13.5	11.9	9.3	7.1	4.3	5.8	5.2	4.8	.3	4592

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1875-1979

MARCH

AREA D022 SOUTHWEST BAJA
23.4N 111.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (MM)		N	NE	E	SE	S	SW	W	NW	VAR	CALC	PCT	TOTAL OBS
<1/2	PCP	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
1/2<1	PCP	.0	.C	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0
	NO PCP	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.C	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
2<5	PCP	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.C	.0	.0	.0	.0	.0	.2	.0	.0	.0	.3
	TOT %	.0	.C	.0	.0	.0	.0	.1	.2	.0	.0	.0	.3
5<10	PCP	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	NO PCP	1.2	.1	.1	.0	.1	.1	.6	3.9	.0	.1	.1	6.0
	TOT %	1.2	.1	.1	.0	.1	.1	.6	3.9	.0	.1	.1	6.1
10+	PCP	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2
	NO PCP	20.5	2.5	.8	.8	.8	1.2	9.3	54.5	.0	2.3	93.1	
	TOT %	20.5	2.5	.8	.8	.8	1.2	9.4	54.6	.0	2.3	93.3	
TOT OBS													7633
TOT PCT													21.8 3.0 .9 .9 .9 1.3 10.0 58.8 .0 2.5 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (MM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALC	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.3
	11-21	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.5
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.0	.5
	4-10	.6	.1	.0	.0	.1	.1	.3	2.1	.0	.0	.0	3.2
	11-21	.5	.0	.0	.0	.0	.0	.2	1.4	.0	.0	.0	2.2
	22+	.1	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.3
	TOT %	1.2	.1	.1	.0	.1	.1	.5	3.9	.0	.2	.0	6.2
10+	0-3	.9	.4	.2	.2	.1	.2	.8	1.8	.0	2.4	7.0	
	4-10	9.2	1.7	.5	.5	.5	.8	5.6	23.1	.0		41.9	
	11-21	9.5	.7	.1	.1	.1	.1	2.9	27.4	.0		40.9	
	22+	.8	.1	.0	.0	.0	.0	.1	2.2	.0		3.2	
	TOT %	20.4	2.9	.8	.8	.8	1.2	9.4	54.5	.0	2.4	93.0	
TOT OBS													7967
TOT PCT													21.6 3.0 .9 .9 .9 1.2 10.0 58.9 .0 2.6 100.0

MARCH

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1975-1979AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.2	.0	.5	1.7	6.2	3.7	2.2	.6	.5	.8	16.4	83.6	1729
06009	.5	.1	.3	2.0	6.7	3.4	1.8	.6	.1	.5	16.2	83.8	1514
12015	.7	.2	.7	4.6	9.2	4.6	1.7	.4	.4	.4	22.9	77.1	1377
18021	.5	.0	.6	2.4	7.9	6.0	2.1	1.0	.7	.5	21.9	78.1	1878
TOT	29	5	35	170	484	293	129	43	31	38	1257	5241	6498
PCT	.4	.1	.5	2.6	7.4	4.5	2.0	.7	.5	.6	19.3	80.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.5	4.8	94.6	2050
06009	.2	.0	.1	.4	6.4	93.0	1873
12015	.2	.0	.3	.7	7.9	90.8	1812
18021	.3	.1	.3	.4	5.6	93.3	2320
TOT	13	3	13	42	493	7491	8055
PCT	.2	.0	.2	.5	6.1	93.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSPT (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150	<600	<1000	1000+	NM <5/8 AND 5+	TOTAL OBS
00003	.2	.7	2.6	14.4	83.0	1680
06009	.6	1.0	3.4	13.7	82.9	1454
12015	.7	1.7	6.5	16.9	76.5	1334
18021	.6	1.3	4.1	19.0	76.9	1803
TOT	31	73	253	1009	5009	6271
PCT	.5	1.2	4.0	16.1	79.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.0	.0	.0	.0	5	.1
80/84	.0	.1	.1	.1	.2	.0	.0	.0	32	.5
75/79	.0	.0	.1	.6	1.0	1.0	.2	.1	189	3.0
70/74	.0	.0	.1	1.4	4.8	6.3	3.1	1.1	1076	16.9
65/69	.0	.0	.2	1.7	7.0	14.2	14.9	4.7	2727	42.8
60/64	.0	.0	.1	1.0	4.9	14.6	13.5	5.2	2190	34.4
55/59	.0	.0	.0	.0	.2	.6	1.0	.6	155	2.4
50/54	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
TOTAL	1	9	36	309	1152	2027	2096	745	6375	100.0
PCT	.0	.1	.6	4.8	18.1	31.8	32.9	11.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80/84	.1	.0	.0	.0	.0	.0	.1	.2	.0	.0
75/79	.6	.1	.0	.1	.0	.1	.4	1.5	.0	.2
70/74	3.9	.7	.2	.1	.4	.3	2.1	8.5	.0	.7
65/69	10.1	1.3	.4	.4	.2	.5	4.1	24.7	.0	1.1
60/64	7.5	1.0	.2	.3	.3	.3	2.8	21.5	.0	.5
55/59	.6	.1	.0	.0	.0	.0	.1	1.7	.0	.0
50/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	22.7	3.2	.9	.9	.9	1.2	9.4	58.2	.0	2.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	88	81	76	68	62	60	54	68.2	2100
06009	84	73	70	65	60	58	55	65.0	1900
12015	84	72	69	64	59	57	55	63.9	1871
18021	85	78	74	67	61	59	54	67.6	2381
TOT	88	78	74	66	60	58	54	66.3	8252

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	7.7	23.2	35.9	27.0	6.2	74	1675
06009	.0	3.1	10.2	28.4	39.7	18.6	80	1529
12015	.0	3.0	12.0	25.1	43.0	16.9	80	1422
18021	.1	7.6	24.6	35.8	25.0	7.0	74	1840
TOT	1	358	1164	2051	2130	758	77	6466

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1975-1979

MARCH

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53	57	61	65	69	73	77	81	85	TOT	N	NO FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	.C	.1
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	.0	.1
14/16	.0	.0	.0	.0	.0	.1	.1	.0	.0	16	.C	.2
11/13	.0	.0	.0	.1	.1	.3	.3	.1	.0	64	.C	.9
8/10	.0	.0	.1	.1	.3	.4	.2	.0	.0	78	.0	1.1
7/8	.0	.0	.1	.3	.7	.6	.2	.1	.0	139	.C	1.9
6	.0	.0	.1	.4	.8	.5	.2	.0	.0	136	.0	1.9
5	.0	.0	.3	.8	1.2	.8	.1	.0	.0	229	.0	3.2
4	.0	.0	.4	1.2	1.4	.7	.1	.0	.0	269	.0	3.7
3	.0	.1	.3	1.6	1.3	.5	.1	.0	.0	273	.0	3.8
2	.0	.1	1.1	2.8	2.1	.6	.1	.C	.0	484	.1	6.7
1	.0	.1	1.3	2.9	1.6	.3	.0	.0	.0	431	.0	6.0
0	.0	.3	3.9	4.2	2.4	.4	.0	.0	.0	805	.1	11.2
-1	.0	.3	3.3	4.0	1.4	.3	.0	.0	.0	697	.1	9.5
-2	.0	.6	5.2	4.6	1.8	.2	.0	.0	.0	883	.1	12.2
-3	.0	.8	3.5	3.6	1.5	.0	.0	.0	.0	678	.0	9.4
-4	.0	1.0	4.0	3.3	.7	.1	.0	.0	.0	658	.0	9.1
-5	.1	.7	2.8	2.8	.7	.1	.0	.0	.0	514	.1	7.1
-6	.1	.6	1.9	1.6	.2	.0	.0	.0	.0	314	.0	4.4
-7/-8	.0	.6	2.2	1.5	.2	.0	.0	.0	.0	318	.0	4.4
-9/-10	.0	.3	.9	.5	.0	.0	.0	.0	.0	122	.0	1.7
-11/-13	.0	.1	.4	.1	.1	.0	.0	.0	.0	46	.0	.6
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
-17/-19	.0	.0	.0	.C	.0	.0	.0	.0	.0	2	.C	.0
-20/-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	14	2277	1338	96	25	5				7161	.6	99.4
PCT	.2	5.5	31.8	36.1	18.7	5.9	1.3	.3	.1	100.0	.6	99.4

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.5	1.3	.0	.0	.C	.0	1.8	C1	.2	.4	.1	.0	.C	.0	.7
1-2	.1	.4	2.7	.0	.C	.0	7.2	1-2	.1	1.0	.3	.0	.0	.0	1.4
3-4	.1	3.2	5.6	.2	.0	.0	9.1	3-4	.1	.7	.5	.0	.0	.0	1.3
5-6	.1	1.3	3.4	.5	.C	.0	5.1	5-6	.0	.1	.2	.0	.C	.0	.3
7	.0	.2	1.0	.3	.1	.0	1.5	7	.0	.1	.1	.0	.0	.0	.2
8-9	.C	.0	.3	.3	.C	.0	.6	8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.2	.C	.0	.3	10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.C	.0	.C	12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.C	.0	.0	13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.C	.0	.0	17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.C	.0	.0	.0	.C	.0	.0	20-22	.C	.0	.0	.0	.C	.0	.0
23-25	.0	.C	.0	.0	.C	.0	.0	23-25	.0	.0	.C	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0	26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0	33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.C	.0	.C	.0	.0	41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0	49-60	.0	.0	.0	.0	.0	.C	.0
61-70	.0	.0	.0	.0	.C	.0	.0	61-70	.0	.0	.C	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0	71-86	.0	.0	.C	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0	87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	10.3	13.1	1.4	.1	.0	25.7	TOT PCT	.3	2.4	1.1	.0	.0	.0	3.8

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.0	.0	.0	.0	.C	.0	.0	C1	.1	.0	.0	.0	.0	.0	.1
1-2	.0	.3	.0	.0	.C	.0	.3	1-2	.1	.2	.1	.0	.C	.0	.4
3-4	.0	.3	.1	.0	.C	.0	.4	3-4	.0	.2	.1	.0	.C	.0	.3
5-6	.0	.0	.0	.0	.C	.0	.0	5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.C	.0	.0	7	.0	.1	.0	.1	.C	.0	.1
8-9	.0	.0	.0	.0	.C	.0	.0	8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.C	.0	.0	10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.C	.0	.0	12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.C	.0	.0	13-16	.0	.0	.0	.0	.C	.0	.0
17-19	.0	.0	.0	.0	.C	.0	.0	17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0	20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.C	.0	.0	23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0	26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.C	.0	.C	.0	.0	33-40	.0	.0	.C	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0	41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0	49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0	61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0	71-86	.0	.0	.0	.0	.C	.0	.0
87+	.C	.0	.0	.0	.C	.0	.0	87+	.0	.0	.0	.0	.C	.0	.C
TOT PCT	.0	.7	.2	.0	.0	.0	.9	TOT PCT	.1	.5	.1	.1	.0	.0	.8

PERIOD: (OVER-ALL) 1963-1979

MARCH

ARFA 0002 SOUTHWEST RAJA
23.44 111.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S								SW								PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.0	.2	.0	.0	.0	.0	.2		.1	.3	.0	.0	.0	.0	.4		
1-2	.2	.2	.0	.0	.0	.0	.3		.1	.3	.0	.0	.0	.0	.5		
3-4	.0	.2	.0	.0	.0	.0	.2		.1	.1	.1	.0	.0	.0	.2		
5-6	.0	.1	.0	.0	.0	.0	.1		.0	.0	.1	.0	.0	.0	.1		
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
10-11	.0	.0	.0	.1	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
TOT PCT	.2	.6	.0	.1	.0	.0	.9		.3	.7	.2	.0	.0	.0	1.2		

HGT	W								NW								PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT			
<1	.3	.6	.1	.0	.0	.0	1.0		.6	2.0	.1	.0	.0	.0	.7		2.7	
1-2	.3	2.5	.6	.0	.0	.0	3.4		.6	12.7	6.3	.0	.0	.0	19.6			
3-4	.1	1.6	.9	.0	.0	.0	2.6		.4	5.1	12.1	.5	.0	.0	18.1			
5-6	.0	.3	.4	.0	.0	.0	.7		.1	2.0	8.4	.9	.0	.0	11.3			
7	.0	.0	.0	.0	.0	.0	.0		.0	.3	2.2	.6	.1	.0	3.2			
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.1	.7	.6	.0	.0	1.4			
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.2	.3	.0	.0	.5			
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.1	.0	.0	.1			
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0			
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0			
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0			
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0			
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0			
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0			
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0			
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0			
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0			
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0			
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0			
TOT PCT	.6	5.0	2.0	.0	.0	.0	7.7		1.6	22.4	30.0	3.0	.1	.0	57.0		98.0	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.0	4.9	.3	.0	.0	.0	9.0	
1-2	1.7	21.0	9.0	.0	.0	.0	33.3	
3-4	.0	11.3	19.2	.7	.0	.0	32.0	
5-6	.1	3.7	12.4	1.4	.0	.0	17.5	
7	.0	.7	3.3	.9	.2	.0	5.0	
8-9	.0	.1	1.1	.9	.0	.0	2.1	
10-11	.0	.0	.3	.6	.0	.0	.9	
12	.0	.0	.0	.1	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.5	42.4	46.4	4.5	.2	.0	100.0	1801

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.6	16.3	19.6	10.0	3.0	1.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3099	3
6-7	.0	1.5	7.2	8.3	3.5	1.7	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1334	5
8-9	.0	.5	1.7	2.4	2.0	1.0	.9	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	482	6
10-11	.0	.6	.8	.8	.4	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	205	5
12-13	.0	.0	.6	.6	.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	114	6
13	.0	.0	.0	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	51	7
INDEX	2.9	1.6	1.6	.9	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	452	3
TOTAL	375	1182	1803	1336	562	269	117	35	26	4	5	3	0	0	0	0	0	0	0	5737	4
PCT	6.5	20.6	31.4	23.3	10.1	4.7	2.0	.8	.5	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1870-1975

APRIL

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHORE HAZE	BLUG DUST BLUG SNOW	SPRAY	NO STA WFA
N	.2	.0	.0	.0	.0	.0	.0	.2	.1	.0	.5	.1	2.0	.0	.0	97.1
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	2.0	.0	.0	96.7
E	1.9	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	17.0	.0	.0	86.1
SE	1.0	.0	.0	.0	.0	.0	.0	1.0	.1	.0	.0	.0	17.3	1.0	.0	76.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	7.7	2.0	.0	93.9
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	7.0	.0	.0	92.1
W	.0	.0	.1	.0	.0	.0	.0	.1	.1	.0	1.1	.3	5.0	.1	.0	93.3
NW	.0	.0	.1	.0	.0	.0	.0	.1	.1	.0	.4	.2	7.2	.0	.0	95.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	.0	5.6	.0	.0	91.0
TOT PCT	.1	.0	.1	.0	.0	.0	.0	.1	.1	.0	.7	.2	3.4	.0	.0	95.5
TOT OBS:	7910															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHORE HAZE	SPRAY BLUG BLUG SNOW	DUST SNOW	NO STA WFA
0000	.1	.0	.0	.0	.0	.0	.0	.2	.1	.0	.3	.0	4.7	.0	.0	94.5
0600	.0	.0	.1	.0	.0	.0	.0	.1	.1	.1	.4	.1	2.3	.0	.0	97.0
1200	.1	.0	.1	.0	.0	.0	.0	.1	.0	.1	.7	.0	2.2	.1	.0	96.9
1800	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0	1.3	.4	3.8	.0	.0	94.2
TOT PCT	.1	.0	.1	.0	.0	.0	.0	.1	.1	.0	.7	.2	3.4	.0	.0	95.5
TOT OBS:	7966															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.5	6.7	9.8	.8	.0	.0		17.9	12.7	13.4	13.7	16.8	8.6	19.8	19.2	21.7	22.6	
NE	.1	.8	.3	.0	.0	.0		1.2	9.1	.8	1.0	1.5	.0	1.3	3.4	1.3	.0	
E	.1	.3	.0	.0	.0	.0		.5	6.9	.2	1.4	.6	.9	.4	.2	.7	1.6	
SE	.0	.2	.0	.0	.0	.0		.3	7.2	.2	.0	.1	.0	.2	.5	.7	.0	
S	.2	.2	.1	.0	.0	.0		.4	7.5	.6	.0	.5	.0	.3	.2	.5	.0	
SW	.2	.7	.2	.0	.0	.0		1.0	7.1	1.3	.8	.8	1.8	.8	1.1	1.1	2.4	
W	.9	6.4	4.7	.1	.0	.0		11.7	10.1	16.8	9.7	11.9	20.0	8.1	10.8	9.5	6.9	
NW	1.5	24.8	36.1	7.4	.0	.0		64.9	12.7	65.9	71.8	65.4	66.8	66.7	62.4	62.6	60.9	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.9							1.9	.0	1.0	1.6	2.2	1.8	2.6	2.5	1.9	4.6	
TOT OBS	447	3362	4251	307	5	0	4372		12.0	2069	124	1790	110	1693	201	2259	126	
TOT PCT	5.3	40.2	50.8	3.7	.1	.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	2.3	11.6	3.8	.1	.0		17.9	12.7	13.4	16.3	21.0
NE	.4	.8	.0	.0	.0		1.2	9.1	.8	1.4	1.5
E	.3	.2	.0	.0	.0		.5	6.9	.2	.6	.6
SE	.1	.2	.0	.0	.0		.3	7.2	.2	.1	.3
S	.2	.2	.0	.0	.0		.4	7.5	.6	.4	.3
SW	.5	.5	.0	.0	.0		1.0	7.1	1.2	.8	1.2
W	3.1	7.3	1.2	.0	.0		11.7	10.1	16.8	12.9	9.4
NW	7.8	43.0	13.7	.4	.0		64.9	12.7	66.2	65.6	62.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
CALM	1.9						1.9	.0	1.0	2.2	2.1
TOT OBS	1402	5344	1578	.48	8472			12.0	2193	1900	1890
TOT PCT	16.7	63.8	18.9	.6	.0			100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1870-1979

APRIL

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	1.0	3.0	36.0	55.4	4.4	.1	.0	12.7	100.0	2193
06009	2.2	2.9	41.5	49.7	3.6	.0	.0	11.9	100.0	1900
12015	2.6	3.1	41.4	50.2	2.7	.0	.0	11.6	100.0	1894
18021	2.1	4.4	41.9	47.8	3.8	.1	.0	11.7	100.0	2385
TOT	163	245	3362	4250	307	5	0	12.0		8372
PCT	1.9	3.4	40.2	50.8	3.7	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	BY WIND DIRECTION				TOTAL OBS	MEAN CLOUD COVER
	0-2	3-4	5-7	8 & OBS		
N	8.7	3.2	5.0	1.7	3.3	
NE	.5	.3	.3	.1	3.2	
E	.2	.1	.1	.1	3.6	
SE	.2	.1	.1	.0	2.9	
S	.3	.1	.0	.1	2.5	
SW	.5	.2	.2	.1	2.8	
W	6.0	1.9	2.4	1.0	2.9	
NW	31.8	12.1	15.6	5.1	3.1	
VAR	.0	.0	.0	.0	2.0	
CALM	1.2	.2	.3	.2	2.5	
TOT OBS	3148	1155	1540	537	6380	3.1
TOT PCT	49.3	18.1	24.1	8.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, M)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

FOO 149	150 299	300 599	600 999	1000 1999	2000 3999	3500 4999	5000 6499	6500 7999	8000+ ANY HGT	NH <5/8 TOTAL OBS
.0	.1	.1	.8	1.8	.9	.4	.1	.1	.1	14.1
.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.9
.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.3
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
.1	.0	.1	.3	.8	.5	.2	.0	.1	.1	9.2
.3	.1	.5	2.1	4.8	2.9	1.3	.4	.3	.4	51.6
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	1.4
26	14	51	214	495	282	132	34	34	34	5062
.4	.2	.8	3.4	7.8	4.4	2.1	.5	.5	.6	79.3

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM)		= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
				= OR >1	= OR >1/2				
= OR >6500	.9	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
= OR >5000	1.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
= OR >3500	3.0	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6
= OR >2000	6.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0
= OR >1000	13.9	15.7	15.8	15.8	15.8	15.8	15.8	15.8	15.8
= OR >600	16.8	19.0	19.2	19.2	19.2	19.2	19.2	19.2	19.2
= OR >400	17.4	19.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0
= OR >150	17.5	19.9	20.2	20.2	20.2	20.2	20.2	20.2	20.2
= OR >0	17.7	20.1	20.5	20.5	20.6	20.6	20.6	20.7	20.7
TOTAL	11.7	12.9	13.1	13.1	13.1	13.1	13.1	13.2	13.2

TOTAL NUMBER OF OBS: 6418

PCT FREQ NH <5/8: 79.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
37.9	14.0	11.2	8.7	7.2	4.6	5.7	4.8	5.6	.3	6782

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1970-1979

APRIL

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
	TOT %	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.1	.0	.0	.0	.0	.0	.2	.4	.0	.0	.6	
	TOT %	.1	.0	.0	.0	.0	.0	.2	.4	.0	.0	.6	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	1.3	.0	.1	.0	.0	.1	1.1	5.4	.0	.3	8.4	
	TOT %	1.3	.0	.1	.0	.0	.1	1.1	5.4	.0	.3	8.4	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	16.8	1.2	.4	.2	.4	.9	10.2	58.8	.0	1.5	90.6	
	TOT %	16.9	1.2	.4	.2	.4	.9	10.2	58.9	.0	1.5	90.6	
TOT OBS													7901
TOT PCT		16.3	1.3	.5	.3	.5	1.0	11.6	64.8	.0	1.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	4-10	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.4	
	11-21	.1	.0	.0	.0	.0	.0	.1	.2	.0	.0	.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	TOT %	.1	.0	.0	.0	.0	.0	.2	.6	.0	.0	.9	
5<10	0-3	.0	.0	.0	.0	.0	.0	.1	.1	.0	.3	.5	
	4-10	.6	.0	.0	.0	.0	.1	.6	2.3	.0	.3	3.8	
	11-21	.5	.0	.0	.0	.0	.0	.4	2.8	.0	.3	3.7	
	22+	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	
	TOT %	1.3	.0	.1	.0	.0	.1	1.1	5.4	.0	.3	6.3	
10+	0-3	.5	.1	.1	.0	.1	.2	.8	1.2	.0	1.5	4.6	
	4-10	6.0	.8	.3	.2	.2	.6	5.6	21.8	.0	.3	35.4	
	11-21	9.3	.3	.0	.0	.1	.2	3.8	33.2	.0	.3	46.9	
	22+	.8	.0	.0	.0	.0	.0	.1	2.4	.0	.0	3.4	
	TOT %	16.6	1.2	.4	.2	.4	.9	10.3	58.6	.0	1.6	90.3	
TOT OBS													6170
TOT PCT		16.0	1.2	.5	.3	.5	1.0	11.7	64.8	.0	1.9	100.0	

APRIL

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1970-1979AREA 0002 SOUTHWEST BASIN
23.44 131.6W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.2	.2	.3	2.1	6.4	2.9	1.3	.5	.5	.4	14.8	85.2	1802
06009	.1	.1	.5	3.1	5.6	4.1	1.4	.3	.1	.5	15.9	84.1	1505
12015	.7	.1	1.4	4.0	10.6	4.9	2.2	.7	.6	.8	26.1	73.9	1439
18021	.6	.4	.9	3.9	7.6	5.0	2.9	.5	.8	.5	23.0	77.0	1942
TOT	27	14	51	217	501	283	132	34	34	36	1329	5359	6688
PCT	.4	.2	.8	3.2	7.5	4.2	2.0	.5	.5	.5	19.9	80.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	0	0	.0	.9	7.5	91.5	2149
06009	.2	.1	.1	.6	8.4	90.6	1874
12015	.3	.3	.0	1.1	9.4	88.9	1846
18021	.5	.1	0	1.1	8.1	90.2	2356
TOT	22	10	3	77	683	7430	8225
PCT	.3	.1	0	.9	8.3	90.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM) >4/8 BY HOUR

HOUR (GMT)	<150 <50FT	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.2	.7	3.3	12.5	84.2	1733
06009	.1	1.0	4.6	12.4	83.0	1432
12015	.8	2.5	7.4	20.3	72.4	1382
18021	.6	2.1	6.4	17.7	75.8	1871
TOT	28	100	346	1006	5066	6414
PCT	.4	1.6	5.4	15.7	78.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	0	.0	.0	.0	0	.0	.0	.0	2	0
80/84	.0	0	0	.0	.1	.1	0	.0	16	.3
75/79	.0	0	0	.4	.7	.9	.3	.1	161	2.4
70/74	.0	.0	.1	.9	4.0	6.6	3.7	1.0	1082	16.2
65/69	.0	0	.1	.6	4.2	11.7	16.0	5.9	2709	40.6
60/64	.0	.0	0	.2	2.7	9.2	17.7	7.7	2504	37.6
55/59	.0	.0	.0	0	.1	.6	1.3	.8	187	2.8
50/54	.0	.0	.0	.0	.0	0	.0	.0	2	0
TOTAL	1	5	19	149	793	2064	2607	1031	6665	100.0
PCT	0	.1	.3	2.2	11.9	31.0	39.1	15.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.0	.0	.0	.0	0	.0	.0
80/84	.1	0	0	.0	.0	.0	0	.1	.0	.0
75/79	.6	.1	0	.1	.1	0	.3	1.3	.0	0
70/74	3.3	.3	.1	0	.1	.2	2.1	9.9	.0	.3
65/69	7.8	.5	.2	.2	.2	.5	5.2	25.3	.0	.7
60/64	6.7	.4	.2	.1	.1	.2	3.3	25.8	.0	.7
55/59	.5	0	0	.0	.0	.0	.2	2.1	.0	0
50/54	.0	.0	.0	.0	.0	.0	0	.0	.0	.0
TOTAL	19.0	1.4	.6	.3	.5	.9	11.0	64.6	.0	1.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	85	79	75	67	62	60	57	67.7	2185
06009	84	72	70	64	60	58	54	64.4	1896
12015	86	73	69	63	59	57	54	63.7	1888
18021	87	78	74	67	61	55	56	67.4	2379
TOT	87	77	73	66	60	58	54	66.0	8348

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	3.6	17.1	37.2	33.4	8.8	77	1700
06009	.0	.8	6.1	21.2	47.7	24.2	83	1533
12015	.1	1.2	4.9	23.4	47.0	23.3	83	1482
18021	.0	4.1	16.4	39.0	31.3	8.7	76	1920
TOT	1	174	794	2083	2623	1040	79	6715

APRIL

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1870-1979AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	N FOG	NO FOG
23/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	.0	.1
14/16	.0	.0	.0	.0	.1	.1	.1	.1	.0	26	.0	.4
11/13	.0	.0	.0	.1	.2	.4	.2	.1	.0	67	.0	.9
9/10	.0	.0	.1	.2	.5	.5	.2	.1	.0	112	.0	1.5
7/8	.0	.0	.1	.6	1.0	.6	.2	.0	.0	189	.0	2.6
6	.0	.0	.1	.5	.8	.5	.0	.0	.0	143	.0	2.0
5	.0	.0	.2	1.2	1.5	.4	.1	.0	.0	244	.0	3.4
4	.0	.0	.6	1.9	1.4	.4	.1	.0	.0	321	.0	4.4
3	.0	.0	.8	1.9	1.0	.4	.1	.0	.0	511	.0	6.2
2	.0	.2	1.9	3.2	1.8	.3	.1	.0	.0	544	.1	7.4
1	.0	.3	2.1	3.1	1.3	.4	.0	.0	.0	516	.0	7.1
0	.0	.6	4.9	4.5	1.9	.4	.0	.0	.0	889	.1	12.1
-1	.0	.4	4.0	3.4	1.4	.2	.0	.0	.0	685	.0	9.4
-2	.0	1.0	5.0	3.9	1.4	.2	.0	.0	.0	836	.1	11.4
-3	.0	1.1	3.8	2.6	1.0	.1	.0	.0	.0	621	.1	8.5
-4	.0	.9	3.7	2.6	.9	.1	.0	.0	.0	565	.0	8.2
-5	.0	.8	2.7	2.1	.6	.0	.0	.0	.0	445	.0	6.1
-6	.0	.6	1.4	1.1	.2	.0	.0	.0	.0	242	.0	3.3
-7/-8	.0	.6	1.7	1.4	.2	.0	.0	.0	.0	287	.0	3.9
-9/-10	.0	.2	.7	.4	.0	.0	.0	.0	.0	103	.0	1.4
-11/-13	.0	.2	.3	.1	.0	.0	.0	.0	.0	46	.0	.6
-14/-16	.0	.1	.1	.0	.0	.0	.0	.0	.0	13	.0	.2
-17/-19	.0	.0	.1	.0	.0	.0	.0	.0	.0	7	.0	.1
-20/-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	19	488	2482	2529	1260	379	16	2	7252	46	7206	
PCT	.3	6.7	34.2	34.9	17.4	5.2	1.1	.2	100.0	.6	99.4	

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.6	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
1-2	.2	3.9	2.4	.0	.0	.0	6.5	.0	.6	.1	.0	.0	.0	.7
3-4	.1	2.1	4.9	.2	.0	.0	7.3	.1	.4	.2	.0	.0	.0	.7
5-6	.0	.5	3.2	.4	.0	.0	4.0	.0	.1	.0	.0	.0	.0	.1
7	.0	.2	1.6	.4	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.2	.1	.0	.0	.3	.0	.1	.0	.0	.0	.0	.1
10-11	.0	.0	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	7.3	12.4	1.3	.0	.0	21.5	.1	1.2	.4	.0	.0	.0	1.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1
1-2	.1	.3	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
7	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.4	.0	.0	.0	.0	.5	.0	.1	.1	.0	.0	.0	.2

PERIOD: (OVER-ALL) 1963-1979

APRIL

ARFA GDC2, SOUTHWEST BAJA
23.4N 111.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S								SW							
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.1	.1	.0	.0	.0	.0	.2		.0	.1	.0	.0	.0	.0	.1	
1-2	.0	.0	.0	.0	.0	.0	.0		.0	.3	.1	.0	.0	.0	.4	
3-4	.0	.1	.1	.0	.0	.0	.2		.1	.0	.0	.0	.0	.0	.1	
5-6	.0	.0	.1	.0	.0	.0	.1		.0	.0	.1	.0	.0	.0	.2	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.1	.1	.2	.0	.0	.0	.4		.1	.4	.2	.0	.0	.0	.7	

HGT	h								NW								TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.2	.8	.0	.0	.0	.0	1.1		.3	1.1	.2	.0	.0	.0	1.7		
1-2	.3	2.9	1.0	.0	.0	.0	4.1		.4	10.1	6.7	.0	.0	.0	17.2		
3-4	.0	1.9	1.6	.1	.0	.0	3.6		.0	8.1	15.5	.5	.0	.0	24.2		
5-6	.0	.5	.9	.1	.0	.0	1.5		.0	1.5	10.7	1.0	.0	.0	13.3		
7	.0	.0	.2	.0	.0	.0	.2		.0	.3	3.7	.8	.0	.0	4.8		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.7	.2	.0	.0	.9		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.2	.2	.0	.0	.4		
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.1	.0	.0	.2		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.1	.0	.0	.0	.1		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.1	.0	.0	.1		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
TOT PCT	.5	6.1	3.7	.3	.0	.0	10.6		.7	21.2	36.0	3.0	.0	.0	62.8	98.3	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-1	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.7	2.9	.3	.0	.0	.0	5.8	
1-2	1.0	16.1	10.2	.0	.0	.0	29.3	
3-4	.2	12.6	22.3	.9	.0	.0	36.0	
5-6	.0	2.6	15.0	1.6	.0	.0	19.2	
7	.0	.5	5.5	1.2	.0	.0	7.2	
8-9	.0	.1	1.0	.3	.0	.0	1.4	
10-11	.0	.0	.3	.7	.0	.0	.6	
12	.0	.0	.2	.1	.0	.0	.3	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.8	36.7	54.9	4.6	.0	.0	100.0	1751

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT	
<6	2.4	13.6	20.4	10.2	3.9	1.2	.4	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3117	3
6-7	.0	2.1	7.4	8.5	4.7	2.0	.8	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1547	5
8-9	.0	.5	2.0	2.4	2.6	.8	.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	547	6
10-11	.0	.0	.7	.8	.9	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	208	6
12-13	.0	.0	.6	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100	6
>13	.0	.0	.0	.4	.2	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	60	7
INDEX	1.9	1.2	1.2	.9	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	359	3
TOTAL	259	1072	1910	1399	763	307	131	42	36	8	3	0	0	0	0	0	0	0	0	.0	5938	4
PCT	4.4	18.1	32.3	23.6	12.0	5.2	2.2	.7	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PPHARY) 1954-1979
(OVER-ALL) 1977-1979

MAY

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT 00 TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHOKE HAZE	SPRAY BLUG DUST	NO SIG WEA
N	.1	.1	.1	.0	.0	.0	.0	.2	.4	.1	.4	.0	2.6	.1	98.2
NE	1.2	.0	.0	.0	.0	.0	.0	1.2	1.2	.0	.6	.0	4.1	.0	92.9
E	.0	.0	3.3	.0	.0	.0	.0	3.3	.0	.0	10.0	.0	8.3	.0	78.3
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	.0	7.3	.0	86.4
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	.0	7.2	.0	88.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	2.5	.0	96.2
W	.1	.0	.0	.0	.0	.0	.0	.1	.0	.1	2.9	.0	7.0	.1	89.8
NW	.0	.1	.0	.0	.0	.0	.0	.1	.1	.0	1.4	.1	4.6	.1	93.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8	.0	3.5	.9	86.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	1.6	.1	4.6	.1	93.4
TOT OBS:	8676														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 00 TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHOKE HAZE	SPRAY BLUG DUST BLUG SNOW	NO SIG WEA
00003	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	1.0	.0	5.9	.0	92.9
06009	.1	.0	.0	.0	.0	.0	.0	.1	.2	.0	.9	.0	3.1	.1	95.6
12015	.1	.2	.1	.0	.0	.0	.0	.3	.1	.2	2.3	.2	3.9	.1	93.1
18021	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	2.2	.1	5.1	.1	92.3
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	1.6	.1	4.6	.1	93.4
TOT OBS:	8728														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	.5	5.8	7.5	.5	.0	.0		14.3	12.3	11.9	9.0	13.7	10.1	16.4	13.3	16.2	9.2
NE	.1	.6	.2	.0	.0	.0		1.0	9.6	.7	1.4	1.0	.0	1.0	.8	1.1	1.5
E	.0	.2	.1	.0	.0	.0		.3	9.2	.2	.8	.5	.0	.4	.2	.4	.0
SE	.2	.2	.1	.0	.0	.0		.5	7.6	.5	.0	.3	.4	.5	.6	.8	.0
S	.1	.3	.0	.0	.0	.0		.4	6.6	.4	.0	.3	.4	.3	1.0	.4	.7
SW	.2	.5	.2	.0	.0	.0		.9	8.0	1.2	.0	.8	2.1	.8	.6	.9	1.0
W	.7	6.2	5.4	.3	.0	.0		12.5	10.9	17.2	16.6	12.5	16.2	8.8	13.1	10.7	11.2
NW	1.4	22.8	42.1	2.4	.0	.0		68.7	13.0	67.3	71.9	68.8	70.8	69.6	69.5	68.5	76.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3							1.3	.0	.7	.6	2.1	.0	2.2	.8	.9	.0
TOT OBS	414	3375	5145	296	.0	.0	9234	12.3		2203	16.3	1930	119	1896	239	2335	149
TOT PCT	4.5	36.5	55.7	1.2	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 4A

WIND DIR	WIND SPEED (KNOTS)					41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40						00	06	12	18	
N	1.8	9.6	2.8	.1	.0		14.3	12.3	11.7	13.5	16.0	15.8		
NE	.3	.5	.1	.0	.0		1.0	9.6	.7	.9	1.0	1.1		
E	.1	.2	.0	.0	.0		.3	9.2	.2	.4	.4	.3		
SE	.3	.2	.1	.0	.0		.5	7.6	.5	.3	.5	.8		
S	.2	.1	.0	.0	.0		.4	6.6	.4	.3	.3	.4		
SW	.5	.3	.1	.0	.0		.9	8.0	1.1	.9	.7	.9		
W	2.8	7.9	1.8	.0	.0		12.5	10.9	17.2	12.8	9.3	10.7		
NW	7.1	45.8	15.5	.3	.0		68.7	13.0	67.7	68.9	69.6	68.9		
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		
CALM	1.3						1.3	.0	.7	2.0	2.0	.9		
TOT OBS	1348	5974	1872	.4	.0	9234	12.3		2366	2649	2135	2684		
TOT PCT	14.6	64.7	20.3	.4	.0		100.0		100.0	100.0	100.0	100.0		

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1877-1979

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	.7	2.3	33.8	59.3	3.8	.1	.0	.0	12.9	100.0	2366
0600	2.0	3.3	37.4	54.2	3.0	.0	.0	.0	12.2	100.0	2049
1200	2.0	3.5	39.6	52.4	2.5	.0	.0	.0	11.8	100.0	2135
1800	.9	3.5	35.9	56.3	3.4	.0	.0	.0	12.4	100.0	2684
TOT	124	290	3375	5145	296	.4	.0	.0	12.3		9234
PCT	1.3	3.1	36.5	55.7	3.2	.0	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	PEAN COVER
N	5.0	3.1	5.1	2.3		4.2
NE	.4	.3	.2	.2		3.7
E	.1	.1	.1	.1		4.2
SE	.2	.1	.1	.1		3.9
S	.1	.1	.1	.0		4.2
SW	.4	.2	.3	.1		3.4
W	5.7	1.8	2.7	1.4		3.3
NW	29.2	11.5	17.6	10.0		3.6
VAR	.0	.0	.0	.0		.0
CALM	.6	.1	.2	.4		3.7
TOT OBS	2922	1213	1859	1023	7017	3.7
TOT PCT	41.6	17.3	26.5	14.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	PEAN COVER	0-2	3-4	5-7	8-10	TOTAL OBS	PEAN COVER
N	5.0	3.1	5.1	2.3		4.2	.1	.0	.1	.9	2.6	1.2
NE	.4	.3	.2	.2		3.7	.0	.0	.1	.1	.0	.0
E	.1	.1	.1	.1		4.2	.0	.0	.0	.0	.1	.0
SE	.2	.1	.1	.1		3.9	.0	.0	.0	.0	.1	.0
S	.1	.1	.1	.0		4.2	.0	.0	.0	.0	.0	.0
SW	.4	.2	.3	.1		3.4	.0	.0	.0	.1	.0	.0
W	5.7	1.8	2.7	1.4		3.3	.1	.0	.2	.7	1.2	.4
NW	29.2	11.5	17.6	10.0		3.6	.5	.2	.9	4.9	4.1	3.8
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
CALM	.6	.1	.2	.4		3.7	.1	.0	.1	.1	.0	.0
TOT OBS	2922	1213	1859	1023	7017	3.7	56	18	94	473	465	400
TOT PCT	41.6	17.3	26.5	14.6	100.0		.8	.3	1.3	6.7	12.3	5.7

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM)				= OR >5000	= OR >0
				= OR >1	= OR >1/2	= OR >1/4	= OR >1/8		
= OR >6500	.7	.8	.8	.8	.8	.8	.8	.8	.8
= OR >5000	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR >3500	2.7	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4
= OR >2000	7.7	9.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1
= OR >1000	18.5	21.2	21.4	21.4	21.4	21.4	21.4	21.4	21.4
= OR >600	23.7	27.9	28.2	28.2	28.2	28.2	28.2	28.2	28.2
= OR >300	24.4	29.1	29.5	29.5	29.5	29.5	29.5	29.5	29.5
= OR >150	24.5	29.3	29.8	29.8	29.8	29.8	29.8	29.8	29.8
= OR >0	24.8	29.7	30.2	30.3	30.4	30.5	30.6	30.6	30.6
TOTAL	1747	2095	2131	2137	2142	2147	2155	2155	2155

TOTAL NUMBER OF OBS: 7048

PCT FREQ NM <5/8: 69.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
30.6	12.2	11.1	8.5	6.9	5.2	7.2	7.0	10.8	.6	7421

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1877-1979

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NMP)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS	
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.1	.5	.0	.0	.0	.7	
	TOT %	.0	.0	.0	.0	.0	.0	.1	.5	.0	.0	.0	.7	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	1.2	.1	.0	.1	.1	.2	1.8	8.7	.0	.2	12.4	.1	
	TOT %	1.2	.1	.0	.1	.1	.2	1.8	8.7	.0	.2	12.5	.1	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	13.5	.9	.3	.4	.3	.7	10.2	59.0	.0	1.0	86.2	.0	
	TOT %	13.5	.9	.3	.4	.3	.7	10.2	59.0	.0	1.0	86.2	.0	
TOT OBS														8660
TOT PCT														100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
	4-10	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2
	11-21	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.3
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.3
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1
	4-10	.1	.0	.0	.0	.0	.0	.1	.4	.0	.0	.6	.6
	11-21	.1	.0	.0	.0	.0	.0	.1	.3	.0	.0	.5	.5
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.1	.0	.0	.0	.0	.0	.2	.8	.0	.1	1.3	1.3
5<10	0-3	.1	.0	.0	.0	.0	.1	.1	.2	.0	.2	.7	.7
	4-10	.5	.0	.0	.0	.1	.1	.9	3.0	.0	.0	4.6	4.6
	11-21	.6	.0	.0	.1	.0	.0	.7	5.2	.0	.0	6.7	6.7
	22+	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.4	.4
	TOT %	1.2	.1	.0	.1	.1	.2	1.8	8.6	.0	.2	12.4	12.4
10+	0-3	.4	.1	.0	.1	.0	.1	.5	1.1	.0	1.0	3.4	3.4
	4-10	5.3	.5	.2	.1	.2	.4	4.9	18.8	.0	.0	30.5	30.5
	11-21	7.0	.2	.1	.1	.0	.2	4.6	36.7	.0	.0	48.8	48.8
	22+	.5	.0	.0	.0	.0	.0	.2	2.1	.0	.0	2.9	2.9
	TOT %	13.2	.8	.3	.4	.3	.7	10.2	59.0	.0	1.0	85.6	85.6
TOT OPS													8986
TOT PCT													100.0

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1877-1979

MAY

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.2	.2	.7	3.5	7.5	3.5	1.9	.4	.4	.5	18.7	81.3	1935
06009	.8	.1	.4	6.4	10.1	4.8	1.2	.6	.3	.3	25.2	74.8	1616
12015	1.3	.5	2.3	10.2	16.5	6.8	2.2	.8	.4	.4	43.5	56.5	1604
18021	.9	.2	1.7	6.6	13.8	6.9	2.3	.7	.2	.4	33.8	66.2	2147
TOT	56	18	95	476	871	404	141	45	24	29	2159	5143	7302
PCT	.8	.2	1.3	6.5	11.9	5.5	1.9	.6	.3	.4	29.6	70.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.1	0	.2	.4	12.1	87.2	2305
06009	.3	.2	.4	1.0	10.0	88.1	2030
12015	.4	.2	.4	1.8	14.4	82.8	2078
18021	.5	.1	.2	1.7	12.9	84.6	2627
TOT	30	12	27	113	1114	7740	9040
PCT	.3	.1	.3	1.3	12.4	85.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.2	1.2	4.9	14.5	80.6	1876
06009	.9	1.7	9.2	17.7	73.0	1550
12015	1.7	4.1	15.4	27.9	56.7	1551
18021	1.0	3.1	10.8	24.8	64.4	2071
TOT	56	178	698	1493	4857	7048
PCT	.8	2.5	9.6	21.2	68.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	0	.0	0	.0	.0	3	0
80/84	0	0	.1	.2	.1	.2	0	0	43	.4
75/79	0	0	.1	.3	1.0	1.2	.4	.3	250	3.4
70/74	.0	0	0	.3	3.4	6.9	4.8	1.5	1244	17.0
65/69	.0	0	.1	.2	2.8	11.6	17.4	6.7	2850	38.8
60/64	.0	.0	0	0	1.1	6.8	19.7	10.1	2769	37.7
55/59	.0	.0	.0	.0	0	.3	.9	1.1	175	2.4
50/54	.0	.0	.0	.0	.0	0	0	0	2	0
TOTAL	1	5	17	76	623	1980	3192	1442	7336	100.0
PCT	0	.1	.2	1.0	8.5	27.0	43.5	19.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALP
85/89	.0	0	.0	.0	.0	.0	.0	0	.0	.0
80/84	.1	0	.0	.1	0	0	.1	.3	.0	.0
75/79	.6	0	0	.1	.1	.1	.4	2.0	.0	.1
70/74	3.1	.2	.1	.2	.1	.2	2.4	10.5	.0	.3
65/69	6.4	.5	.1	.1	.1	.3	4.6	26.2	.0	.5
60/64	5.0	.3	.1	.1	.1	.3	4.0	27.4	.0	.4
55/59	.3	0	.0	0	0	.0	.2	1.9	.0	0
50/54	0	.0	.0	.0	.0	.0	0	0	.0	.0
TOTAL	15.3	1.1	.4	.5	.4	.9	11.6	68.3	.0	1.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	88	80	76	68	62	60	55	66.3	2358
06009	86	73	70	64	60	58	51	64.5	2046
12015	84	73	70	63	59	57	53	63.7	2142
18021	85	78	75	67	61	59	55	67.5	2671
TOT	88	78	74	66	60	58	51	66.2	9217

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	2.4	11.9	34.1	40.1	11.5	79	1903
06009	.1	.4	2.5	14.3	51.0	31.7	85	1655
12015	.0	.2	3.9	18.9	47.6	29.4	85	1672
18021	.0	2.0	15.6	36.7	37.3	10.3	78	2180
TOT	1	100	625	1991	3207	1496	81	7300

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1977-1979

MAY

AREA 0002, SOUTHWEST BAJA
23.4N 111.6W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	NO FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
17/19	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	21	.0	.3
14/16	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	31	.0	.4
11/13	.0	.0	.0	.0	.0	.3	.6	.3	.0	.0	105	.0	1.3
9/10	.0	.0	.0	.1	.3	.7	.7	.2	.0	.0	150	.0	1.9
7/8	.0	.0	.0	.1	.5	1.5	.8	.2	.1	.0	244	.0	3.0
6	.0	.0	.0	.1	.8	.8	.4	.1	.0	.0	156	.0	2.0
5	.0	.0	.0	.3	1.3	1.7	.4	.2	.0	.0	316	.1	3.9
4	.0	.0	.0	.7	2.1	1.5	.4	.1	.0	.0	387	.1	4.8
3	.0	.0	.1	.9	1.7	1.3	.5	.1	.0	.0	361	.1	4.5
2	.0	.0	.2	2.2	3.4	1.6	.6	.0	.0	.0	638	.2	7.9
1	.0	.0	.2	2.4	3.4	1.4	.3	.0	.7	.0	614	.0	7.7
0	.0	.0	.6	4.6	4.0	1.9	.4	.1	.0	.0	916	.2	11.3
-1	.0	.0	.6	3.9	3.1	1.3	.3	.0	.0	.0	724	.1	9.0
-2	.0	.0	1.0	5.5	3.2	1.2	.3	.0	.0	.0	895	.3	11.0
-3	.0	.0	.8	3.3	2.2	1.0	.1	.0	.7	.0	590	.1	7.3
-4	.0	.0	.9	3.2	2.2	.5	.2	.0	.0	.0	553	.1	6.8
-5	.0	.0	.8	2.7	1.6	.5	.1	.0	.0	.0	457	.1	5.7
-6	.0	.0	.4	1.2	1.1	.4	.0	.0	.0	.0	249	.1	3.1
-7/-8	.0	.0	.3	1.6	1.3	.3	.1	.0	.0	.0	285	.0	3.6
-9/-10	.0	.0	.2	.8	.4	.1	.0	.0	.0	.0	136	.1	1.7
-11/-13	.0	.0	.1	.4	.3	.1	.0	.0	.0	.0	68	.0	.8
-14/-16	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	26	.0	.3
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.0
-20/-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	1	13	505	2699	1443	692	124	4	4	7933	124	7809	
PCT	.0	.2	6.4	34.0	33.0	18.2	6.2	1.6	.4	1	100.0	1.6	98.4

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N										NE									
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT			
<1	.0	.5	.0	.0	.0	.0	.5			.0	.0	.0	.0	.0	.0	.0			
1-2	.2	2.4	1.4	.0	.0	.0	5.0			.0	.2	.0	.0	.0	.0	.0			.2
3-4	.0	2.8	3.5	.2	.0	.0	6.4			.0	.1	.1	.0	.0	.0	.0			.3
5-6	.0	.6	3.4	.3	.0	.0	4.3			.0	.0	.2	.0	.0	.0	.0			.2
7	.0	.0	.8	.0	.0	.0	.8			.0	.0	.1	.0	.0	.0	.0			.1
8-9	.0	.0	.4	.1	.0	.0	.5			.0	.0	.0	.0	.0	.0	.0			.0
10-11	.0	.0	.0	.0	.0	.0	.1			.0	.0	.0	.0	.0	.0	.0			.0
12	.0	.0	.0	.1	.0	.0	.1			.0	.0	.0	.0	.0	.0	.0			.0
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
TOT PCT	.2	6.7	10.1	.8	.0	.0	17.9			.1	.5	.3	.0	.0	.0	.0			.9

E										SE									
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT			
<1	.0	.0	.0	.0	.0	.0	.0			.1	.0	.0	.0	.0	.0	.1			.1
1-2	.0	.2	.0	.0	.0	.0	.2			.1	.1	.0	.0	.0	.0	.2			.2
3-4	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
5-6	.0	.0	.0	.0	.0	.0	.0			.0	.0	.1	.0	.0	.0	.1			.1
7	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			.0
TOT PCT	.0	.2	.0	.0	.0	.0	.2			.2	.1	.2	.0	.0	.0	.4			.4

PERIOD: (OVER-ALL) 1963-1979

TABLE 18 (CONT)

ARFA 0007 SOUTHWEST MAJA
23.4N 111.6W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33-40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41-48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71-86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT PCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

HGT	S							PCT	SW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33-40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41-48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71-86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT PCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.5	2.9	0.2	0	0	0	0	0
1-2	1.1	14.6	10.7	0	0	0	0	26.4
3-4	0.5	12.0	22.3	0.5	0	0	0	35.3
5-6	0	3.0	19.5	1.3	0	0	0	23.8
7	0	0	5.4	0	0	0	0	5.4
8-9	0	0	1.5	0	0	0	0	1.5
10-11	0	0	0.2	0	0	0	0	0.2
12	0	0	0	0	0	0	0	0
13-16	0	0	0	0	0	0	0	0
17-19	0	0	0	0	0	0	0	0
20-22	0	0	0	0	0	0	0	0
23-25	0	0	0	0	0	0	0	0
26-32	0	0	0	0	0	0	0	0
33-40	0	0	0	0	0	0	0	0
41-48	0	0	0	0	0	0	0	0
49-60	0	0	0	0	0	0	0	0
61-70	0	0	0	0	0	0	0	0
71-86	0	0	0	0	0	0	0	0
87+	0	0	0	0	0	0	0	0
TOT PCT	3.2	37.9	60.0	3.9	0	0	100.0	2205

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<1	1.7	12.3	19.1	11.6	4.2	1.4	0.5	0	0	0	0	0	0	0	0	0	0	0	0	3369	4
1-2	0	1.7	7.7	8.9	4.5	2.0	0.9	0.2	0	0	0	0	0	0	0	0	0	0	0	1711	5
3-4	0	0	1.7	1.9	3.2	2.4	0.9	0.6	1.1	0	0	0	0	0	0	0	0	0	0	657	6
5-6	0	0	0	0	1.0	0.6	0.4	0.1	0.1	0	0	0	0	0	0	0	0	0	0	233	5
7-9	0	0	0	0	0.5	0.5	0.1	0	0	0	0	0	0	0	0	0	0	0	0	114	5
10-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	7
12-13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	444	3
15-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6605	4
TOT	1.7	14.1	21.7	13.3	5.4	2.4	1.0	0	0	0	0	0	0	0	0	0	0	0	0	100.0	
PCT	3.3	16.2	31.0	27.1	13.0	5.3	2.3	0.5	0.3	0.1	0	0	0	0	0	0	0	0	0	100.0	

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1881-1979

JUNE

AREA 0002 SOUTHWEST BAJA
23.44 111.74

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHW	DRZL	FRZG	SNOW	OTHER FRZN	MAIL	PCPN AT CB TIME	PCPN PAST HOUR	THDR LTNG	FOG	FOG NO PCPN	SMOKE	HAZE	BLDG DUST	SPRAY	NO SIG
N	.1	.1	.2	.0	.0	.0	.0	.3	.2	.0	1.0	.1	2.0	.0	.0	.0	94.9
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	3.7	.0	.0	.0	94.6
E	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	6.0	.2	9.1	.0	.0	.0	78.4
SE	.0	.0	1.5	.0	.0	.0	.0	1.5	1.9	1.5	13.1	.4	10.5	.0	.0	.0	71.2
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6	.0	4.3	.0	.0	.0	87.2
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	1.6	7.0	.0	.0	.0	86.1
W	.0	.1	.1	.0	.0	.0	.0	.1	.2	.0	3.5	.3	6.4	.1	.0	.0	87.4
NW	.1	.4	.2	.0	.0	.0	.0	.3	.2	.1	2.7	.1	6.3	.1	.0	.0	90.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.4	.0	.0	.0	.0	.4	.0	.0	11.0	2.4	12.2	.0	.0	.0	72.4
TOT PCT	.1	.0	.2	.0	.0	.0	.0	.3	.2	.1	3.2	.3	6.5	.1	.0	.0	89.4
TOT OBS:	8278																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHW	DRZL	FRZG	SNOW	OTHER FRZN	MAIL	PCPN AT CB TIME	PCPN PAST HOUR	THDR LTNG	FOG	FOG NO PCPN	SMOKE	HAZE	BLDG DUST	SPRAY	NO SIG
0000	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	2.0	.1	8.0	.1	.0	.0	88.8
0600	.0	.0	.2	.0	.0	.0	.0	.2	.3	.1	2.5	.1	4.5	.1	.0	.0	92.3
1200	.2	.1	.4	.0	.0	.0	.0	.6	.4	.1	3.8	.4	4.0	.0	.0	.0	89.0
1800	.1	.1	.2	.0	.0	.0	.0	.3	.2	.0	4.4	.4	7.4	.2	.0	.0	87.1
TOT PCT	.1	.0	.2	.0	.0	.0	.0	.3	.2	.1	3.2	.3	6.5	.1	.0	.0	89.3
TOT OBS:	8384																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	.6	5.7	4.6	.2	.0	.0	.0	11.2	10.7	9.2	7.2	11.3	4.0	12.4	10.3	12.7	8.3	
NE	.2	.7	.2	.0	.0	.0	.0	1.1	7.2	.6	1.4	1.1	1.6	1.5	1.0	1.2	1.0	
E	.1	.4	.2	.0	.0	.0	.0	.8	7.9	.4	.0	1.0	.0	.5	1.7	1.1	.0	
SE	.2	.5	.1	.0	.0	.0	.0	.9	7.2	1.0	.0	.9	.8	.6	.4	1.0	.7	
S	.2	.7	.1	.0	.0	.0	.0	1.0	6.5	1.3	.7	1.0	.0	.9	.8	1.1	.7	
SW	.3	1.2	.2	.0	.0	.0	.0	1.8	6.9	2.4	1.4	1.8	1.2	1.2	1.2	1.8	.7	
W	1.4	9.6	6.2	.7	.0	.0	.0	17.5	10.1	21.5	14.7	14.5	22.2	15.3	14.6	14.8	10.4	
NW	2.1	25.9	33.0	1.7	.0	.0	.0	62.6	12.0	61.9	72.6	61.0	63.4	63.1	66.6	62.9	60.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.2							3.2	.0	1.7	2.1	3.5	.0	4.6	3.3	3.4	2.0	
TOT OBS	734	3933	3927	200	4	0	8798		10.9		2103	143	1787	125	1833	242	2421	148
TOT PCT	8.3	44.7	44.6	2.3	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	2.6	7.1	1.4	.0	.0	11.2	10.7	9.0	10.8	12.1	12.4	
NE	.6	.5	.0	.0	.0	1.1	7.2	.7	1.1	1.4	1.2	
E	.4	.4	.0	.0	.0	.8	7.9	.5	.9	.6	1.1	
SE	.5	.4	.0	.0	.0	.9	7.2	1.0	.9	.6	1.0	
S	.6	.4	.0	.0	.0	1.0	6.5	1.3	.9	.8	1.1	
SW	1.0	.7	.0	.0	.0	1.8	6.9	2.3	1.8	1.2	1.7	
W	5.0	10.8	1.7	.1	.0	17.5	10.1	21.1	14.1	15.2	15.0	
NW	9.2	42.3	10.9	.2	.0	62.6	12.0	62.5	61.2	63.5	63.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.2					3.2	.0	1.7	3.4	4.4	3.3	
TOT OBS	2022	5512	1241	23	0	8798	10.9	2246	1908	2075	2569	
TOT PCT	23.0	62.7	14.1	.3	.0		100.0	100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1981-1979

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AREA CODE: SOUTHWEST RAJA
23.4N 111.7E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0000Z	1.7	4.7	39.7	51.5	1.4	0	0	11.8	100.0	2246
0600Z	3.4	4.5	45.3	46.0	2.9	0	0	11.0	100.0	1908
1200Z	4.4	6.1	48.9	39.1	1.4	0	0	10.0	100.0	2075
1800Z	3.3	5.3	46.2	43.6	1.5	0	0	10.6	100.0	2569
TOT	280	44	3933	3927	200	0	0	10.9		8798
PCT	3.2	5.2	44.7	44.6	2.3	0	0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-6	TOTAL OBS	MEAN CLOUD COVER
N	4.3	1.8	3.2	2.6	4.2	
NE	0.3	0.2	0.4	0.2	0.6	
E	0.3	0.2	0.2	0.1	0.9	
SE	0.3	0.1	0.3	0.2	0.4	
S	0.4	0.1	0.3	0.2	0.2	
SW	0.6	0.3	0.4	0.4	0.4	
W	7.8	2.3	3.6	3.7	3.7	
NW	25.7	8.9	14.7	12.8	3.8	
VAR	0.0	0.0	0.0	0.0	0.0	
CALM	1.2	0.5	0.6	0.8	0.1	
TOT OBS	2769	972	1598	1433	6772	3.9
TOT PCT	40.9	14.4	23.6	21.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NM <5/8	TOTAL
149	299	599	999	1999	3999	4999	6999	7999		ANY HGT	OBS
0	0	0	0	0	0	0	0	0	0	0	0.6
0	0	0	0	0	0	0	0	0	0	0	0.6
0	0	0	0	0	0	0	0	0	0	0	0.5
0	0	0	0	0	0	0	0	0	0	0	0.5
0	0	0	0	0	0	0	0	0	0	0	0.6
0	0	0	0	0	0	0	0	0	0	0	1.0
0	0	0	0	0	0	0	0	0	0	0	11.4
0	0	0	0	0	0	0	0	0	0	0	30.2
0	0	0	0	0	0	0	0	0	0	0	1.9
0	0	0	0	0	0	0	0	0	0	0	1.9
0	0	0	0	0	0	0	0	0	0	0	6.772
1.6	0.7	2.1	9.6	14.4	6.3	2.7	0.6	0.5	0.2	61.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	> OR >10	> OR >5	> OR >2	VSBY (NM) > OR >1	> OR >1/2	> OR >1/4	> OR >50YD	> OR >0
> OR >6500	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
> OR >5000	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4
> OR >3500	3.2	4.0	4.1	4.1	4.1	4.1	4.1	4.1
> OR >2000	8.1	10.2	10.4	10.4	10.4	10.4	10.4	10.4
> OR >1000	19.9	24.3	24.8	24.8	24.8	24.8	24.8	24.8
> OR >600	26.7	33.5	34.4	34.4	34.4	34.4	34.4	34.4
> OR >300	27.6	35.6	36.4	36.4	36.4	36.4	36.4	36.4
> OR >150	28.1	36.1	37.0	37.1	37.1	37.2	37.2	37.2
> OR > 0	28.3	36.8	38.0	38.2	38.4	38.5	38.7	38.8
TOTAL	1936	2521	2598	2611	2628	2634	2650	2656

TOTAL NUMBER OF OBS: 8844

PCT FREQ NM <5/8: 61.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	ORSCD	TOTAL OBS
28.3	11.3	8.1	7.2	6.0	4.6	4.9	9.0	17.3	1.3	7247

PERIOD: (PRIMARY) 1955-1979
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JUNE

AREA 0002 SOUTHWEST BAJA
23.4N 111.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NP)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.1	.2	.0	.2	.5	
	TOT %	.0	.0	.0	.0	.0	.0	.1	.2	.0	.2	.5	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.3	
	TOT %	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.3	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.3	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.3	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	NO PCP	.1	.0	.0	.0	.1	.1	.4	1.0	.0	.2	1.8	
	TOT %	.1	.0	.0	.0	.1	.1	.4	1.1	.0	.2	1.9	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	1.5	.2	.1	.2	.2	.4	4.0	11.0	.0	1.0	19.6	
	TOT %	1.5	.2	.1	.2	.2	.4	4.0	11.1	.0	1.0	19.7	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.1	
	NO PCP	9.6	.9	.6	.5	.7	1.2	12.8	50.1	.0	1.7	78.1	
	TOT %	9.6	.9	.6	.5	.7	1.2	12.8	50.1	.0	1.7	78.2	
TOT OBS													8260
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NP)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
	4-10	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.7	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	
	4-10	.1	.0	.0	.1	.1	.1	.4	.7	.0	.0	1.4	
	11-21	.1	.0	.0	.0	.0	.0	.1	.6	.0	.0	.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.2	.0	.0	.1	.1	.1	.6	1.4	.0	.2	2.6	
5<10	0-3	.1	.1	.0	.0	.0	.1	.3	.3	.0	1.1	1.9	
	4-10	.9	.1	.1	.1	.1	.3	2.4	4.9	.0	.0	8.8	
	11-21	.5	.0	.0	.1	.0	.0	1.3	5.4	.0	.0	7.3	
	22+	.1	.0	.0	.0	.0	.0	.1	.3	.0	.0	.5	
	TOT %	1.5	.2	.1	.2	.2	.4	4.0	11.0	.0	1.1	18.6	
10+	0-3	.5	.2	.1	.1	.1	.2	.9	1.5	.0	1.7	5.4	
	4-10	4.6	.4	.3	.3	.5	.8	6.6	19.7	.0	.0	33.5	
	11-21	4.0	.1	.2	.1	.1	.2	4.9	27.1	.0	.0	36.6	
	22+	.2	.0	.0	.0	.0	.0	.3	1.4	.0	.0	1.9	
	TOT %	9.4	.9	.6	.5	.7	1.2	12.7	49.7	.0	1.7	77.5	
TOT OBS													8585
TOT PCT													100.0

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PERIOD: (PRIMARY) 1955-1979
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TABLE 10

AREA 0002 SOUTHWEST BAJA
23.4N 111.7WPERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	400	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.9	.3	1.5	7.1	10.1	4.1	1.8	.5	.4	.1	26.6	73.2	1896
06009	1.3	.6	1.7	6.2	12.6	5.2	1.8	.5	.5	.1	30.4	69.6	1505
12015	2.0	.9	3.1	13.7	16.5	7.9	3.8	.5	.6	.4	40.4	50.6	1566
18021	2.0	.8	1.9	10.2	16.4	7.3	3.2	.8	.6	.4	43.7	56.3	2109
TOT	112	46	142	658	986	433	188	41	36	19	2661	4415	7076
PCT	1.6	.7	2.0	9.3	13.9	6.1	2.7	.6	.5	.3	37.6	62.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.2	.2	.3	1.6	10.1	79.7	2215
06009	.6	.2	.4	2.3	17.1	79.3	1898
12015	1.0	.8	.3	3.3	20.0	74.6	2035
18021	.9	.4	.5	3.0	19.3	76.0	2545
TOT	60	33	32	225	1621	6722	8693
PCT	.7	.4	.4	2.6	18.6	77.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	1.0	3.0	11.2	17.5	71.3	1825
06009	1.2	3.5	11.5	20.6	67.9	1451
12015	2.1	6.4	21.9	29.8	48.3	1527
18021	2.1	5.0	16.9	29.0	54.1	2041
TOT	111	306	1050	1666	4128	6644
PCT	1.6	4.5	15.3	24.3	60.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.1	.1	.0	.0	14	.2
80/84	.0	.0	.0	.1	.3	.7	.4	.1	106	1.5
75/79	.0	.0	.0	.9	1.1	3.3	2.0	.7	519	7.4
70/74	.0	.0	.0	.2	2.4	7.9	10.7	4.8	1809	25.9
65/69	.0	.0	.0	.1	1.3	7.9	18.9	12.2	2822	40.4
60/64	.0	.0	.0	.0	.2	2.2	11.9	9.6	1669	23.9
55/59	.0	.0	.0	.0	.0	.1	.2	.3	43	.6
50/54	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
TOTAL	0	2	8	48	370	1538	3084	1935	6985	100.0
PCT	.0	.0	.1	.7	5.3	22.0	44.2	27.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
80/84	.2	.1	.1	.1	.1	.1	.4	.5	.0	.1
75/79	1.1	.2	.1	.2	.2	.3	1.4	3.5	.0	.4
70/74	3.6	.4	.3	.2	.4	.6	5.0	14.2	.0	1.2
65/69	4.6	.2	.2	.3	.3	.6	6.6	26.6	.0	1.1
60/64	2.5	.1	.1	.0	.1	.2	3.2	17.3	.0	.4
55/59	.0	.0	.0	.0	.0	.0	.1	.5	.0	.0
50/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	12.0	1.0	.8	.8	1.0	1.8	16.7	62.8	.0	3.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	90	83	79	70	63	62	58	70.1	2256
06009	83	76	73	66	61	60	54	66.6	1920
12015	87	76	73	65	60	58	54	65.8	2083
18021	89	81	77	69	63	61	55	69.4	2578
TOT	90	81	77	68	62	60	54	68.1	6839

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.3	8.0	30.1	43.4	17.2	.0	.0	81	1820
06009	.0	.6	1.4	11.4	46.3	40.2	.0	.0	87	1565
12015	.0	.1	1.2	10.3	45.3	43.2	.0	.0	87	1634
18021	.0	1.2	8.9	32.2	42.1	15.6	.0	.0	80	2058
TOT	0	59	371	1557	3121	1969	0	0	7077	

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1981-1979

JUNE

AREA 0002 SOUTHWEST BAJA
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53	57	61	65	69	73	77	81	85	89	TOT	N FOG	NO FOG
23/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	.0	.1
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	11	.0	.1
14/16	.0	.0	.0	.1	.1	.2	.2	.1	.1	.0	54	.0	.7
11/13	.0	.0	.0	.0	.2	.5	.4	.1	.0	.0	97	.1	1.2
8/10	.0	.0	.0	.1	.6	.9	.5	.2	.0	.0	183	.1	2.3
7/8	.0	.0	.1	.6	1.3	1.1	.7	.1	.0	.0	292	.1	3.7
6	.0	.0	.1	.6	1.5	.6	.3	.1	.0	.0	244	.1	3.1
5	.0	.0	.2	1.1	1.6	1.1	.5	.1	.0	.0	346	.1	4.4
4	.0	.0	.6	1.7	1.9	.8	.2	.1	.0	.0	415	.2	5.1
3	.0	.0	.6	2.1	1.7	.8	.2	.0	.0	.0	416	.2	5.2
2	.0	.1	1.5	3.2	2.6	.9	.3	.0	.0	.0	670	.4	8.3
1	.0	.1	2.0	3.2	2.3	.9	.2	.0	.0	.0	666	.3	8.3
0	.0	.2	3.4	4.6	2.7	.9	.2	.0	.0	.0	928	.4	11.6
-1	.0	.2	3.0	3.4	2.1	.7	.2	.0	.0	.0	749	.2	9.5
-2	.0	.4	3.2	3.7	1.8	.6	.2	.0	.0	.0	756	.2	9.5
-3	.0	.2	2.2	2.7	1.6	.4	.1	.0	.0	.0	555	.2	7.0
-4	.0	.3	1.9	2.3	1.2	.3	.0	.0	.0	.0	462	.2	5.8
-5	.0	.1	1.3	1.5	.6	.1	.0	.0	.0	.0	287	.2	3.5
-6	.0	.2	.9	.9	.5	.1	.0	.0	.0	.0	207	.1	2.6
-7/-8	.0	.2	.7	1.1	.6	.1	.0	.0	.0	.0	201	.0	2.6
-9/-10	.0	.1	.5	.5	.2	.1	.0	.0	.0	.0	103	.0	1.3
-11/-13	.0	.0	.3	.3	.2	.0	.0	.0	.0	.0	67	.1	.8
-14/-16	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	21	.0	.3
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
-20/-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
-23/-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	6	164	1741	2606	1957	862	325	65	18	2	7746	246	7500
PCT	.1	2.1	22.5	33.6	25.3	11.1	4.2	.8	.2	.0	100.0	3.2	96.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.1	.8	.0	.0	.0	.0	.9	.0	.1	.0	.0	.0	.0	.1
1-2	.2	3.0	1.7	.0	.0	.0	4.4	.0	.3	.0	.0	.0	.0	.4
3-4	.1	1.8	2.8	.0	.0	.0	4.7	.0	.0	.0	.0	.0	.0	.1
5-6	.0	.4	1.9	.1	.0	.0	2.5	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.5	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	6.1	6.6	.2	.0	.0	13.3	.0	.4	.1	.0	.0	.0	.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.0	.1	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.3
1-2	.0	.2	.0	.0	.0	.0	.2	.0	.4	.0	.0	.0	.0	.2
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2
5-6	.0	.0	.1	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.4	.3	.0	.0	.0	.7	.0	.7	.2	.0	.0	.0	1.0

PERIOD: (OVER-ALL) 1943-1979

JUNE

AREA 0002 SOUTHWEST PAJA
23.4N 111.7W

TABLE 10 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S											SW										
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT							
<1	.0	.2	.0	.0	.0	.0	.2	.1	.3	.0	.0	.0	.0	.4							
1-2	.1	.3	.0	.0	.0	.0	.5	.0	.7	.0	.0	.0	.0	.0							
3-4	.0	.1	.0	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.4							
5-6	.0	.0	.1	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1							
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
TOT PCT	.1	.7	.2	.0	.0	.0	1.0	.1	1.3	.7	.0	.0	.0	1.6							

W											NW											TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT								PCT
<1	.6	1.1	.0	.0	.0	.0	1.7	.5	2.0	.7	.0	.0	.0	2.7								2.7
1-2	.6	5.3	2.2	.0	.0	.0	8.0	.5	11.0	6.4	.0	.0	.0	17.9								17.9
3-4	.0	1.8	2.5	.1	.0	.0	4.4	.3	6.4	15.6	.4	.0	.0	22.6								22.6
5-6	.0	.4	1.3	.3	.0	.0	2.1	.1	1.8	10.2	.4	.0	.0	12.5								12.5
7	.0	.1	.5	.1	.0	.0	.7	.0	.3	4.3	.7	.0	.0	5.3								5.3
8-9	.0	.0	.1	.0	.0	.0	.2	.0	.1	.0	.1	.0	.0	1.1								1.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1								.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0								.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0								.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0								.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0								.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0								.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0								.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0								.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0								.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0								.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0								.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0								.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0								.0
TOT PCT	1.3	8.7	6.7	.4	.0	.0	17.2	1.4	21.8	37.5	1.6	.1	.0	62.4								97.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	4.1	4.7	.2	.0	.0	.0	9.0	9.0
1-2	1.9	20.9	9.8	.0	.0	.0	32.6	32.6
3-4	.4	10.5	20.8	.5	.0	.0	32.1	32.1
5-6	.1	2.7	13.7	.8	.1	.0	17.5	17.5
7	.0	.6	5.3	.9	.0	.0	6.8	6.8
8-9	.0	.3	1.0	.1	.0	.0	1.4	1.4
10-11	.0	.0	.1	.0	.0	.0	.2	.2
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	6.6	39.9	51.1	2.3	.1	.0	100.0	211.4

PERIOD: (OVER-ALL) 1949-1979

TABLE 10

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.5	14.2	18.0	9.9	3.5	.9	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3201	3
6-7	.1	1.8	9.0	8.6	3.9	1.4	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1647	5
8-9	.0	1.0	2.6	3.3	1.8	1.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	658	5
10-11	.0	.4	.8	.8	.9	.4	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	234	8
12-13	.0	.0	.8	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	125	5
15	.0	.0	.0	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	53	6
INDEX	2.4	1.3	1.7	.9	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	467	3
TOTAL	337	1200	2158	1556	720	263	87	29	25	10	0	0	0	0	0	0	0	0	0	6365	4
PCT	5.3	18.8	33.8	24.4	11.3	4.1	1.4	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1877-1979

JULY

AREA 0002 SOUTHWEST BAJA
23.4N 111.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG MO PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WFA
N	.4	.1	.1	.0	.0	.0	.0	.6	.3	.2	1.3	.3	3.1	.0	94.2
NE	.8	.8	.9	.0	.0	.0	.0	2.6	1.0	.0	1.2	1.1	3.1	.4	90.4
E	.0	1.0	.4	.0	.0	.0	.0	1.4	1.7	1.7	1.7	.9	3.1	.0	89.5
SE	1.1	.4	1.5	.0	.0	.0	.0	3.0	1.2	.5	5.7	.7	3.8	.4	84.8
S	1.9	.0	.5	.0	.0	.0	.0	2.4	1.0	.5	3.4	.4	6.5	.0	86.5
SW	.2	.0	.8	.0	.0	.0	.0	1.0	.7	.4	2.7	.1	4.1	.0	90.9
W	.1	.1	.2	.0	.0	.0	.0	.4	.3	.3	2.9	.2	7.9	.1	87.8
NW	.2	.1	.1	.0	.0	.0	.0	.4	.2	.2	1.8	.1	5.3	.1	91.9
VAR	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.2	.0	.0	.0	.0	.0	.2	.2	.7	6.6	.3	11.0	.0	81.1
TOT PCT	.3	.1	.2	.0	.0	.0	.0	.7	.3	.3	2.5	.2	5.8	.1	90.2
TOT OBS:	8373														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG MO PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WFA
00003	.2	0	.2	.0	.0	.0	0	.4	.3	0	1.5	.1	6.2	.1	91.4
04009	.3	.3	.3	.0	.0	.0	0	.8	.3	.7	1.8	.2	4.9	0	91.4
12015	.4	.4	.3	.0	.0	.0	.0	1.1	.5	.8	3.4	.3	4.6	.1	89.4
18021	.3	.0	.2	.0	.0	.0	0	.5	.3	.0	3.6	.3	6.8	0	88.4
TOT PCT	.3	.2	.2	.0	.0	.0	0	.7	.3	.3	2.6	.2	5.7	.1	90.1
TOT OBS:	8544														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	1.6	7.1	3.3	.1	.0	.0		12.1	8.7	9.3	8.7	11.7	6.5	13.3	14.7	14.0	14.4
NE	.5	1.9	.5	.0	.0	.0		2.9	7.7	1.8	2.1	2.4	1.6	3.3	6.3	3.8	1.8
E	.4	1.3	.6	.1	.0	.0		2.4	9.5	1.6	1.8	2.2	2.2	2.6	2.7	2.9	5.3
SE	.6	1.8	.8	.2	.0	.0		3.4	9.2	4.1	4.1	3.4	4.9	2.7	4.2	3.0	5.3
S	.6	1.4	.4	.0	.0	.0		2.4	7.1	2.4	3.5	2.5	.9	2.1	1.3	2.7	3.5
SW	.8	1.4	.3	.0	.0	.0		3.0	6.6	5.0	5.3	2.1	3.1	2.5	1.6	2.3	3.1
W	2.1	11.3	5.0	.1	.0	.0		18.5	8.7	26.4	18.6	19.0	28.3	14.6	13.8	14.2	12.4
NW	3.1	26.2	18.3	.4	.0	.0		48.1	10.0	45.3	30.7	47.6	44.4	48.9	50.3	49.9	50.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.3							7.3	.0	4.0	5.3	9.1	8.0	10.0	5.1	7.2	3.6
TOT OBS	1506	4707	2603	95	3	0	8914		8.6	2158	152	1883	112	1862	234	2374	137
TOT PCT	16.9	52.8	29.2	1.1	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00 03	06 09	12 15	18 21	
N	4.7	6.7	.7	.0	.0		12.1	8.7	9.3	11.4	13.4	14.1	
NE	1.4	1.3	.1	.0	.0		2.9	7.7	1.8	2.1	3.6	3.7	
E	1.0	1.0	.3	.1	.0		2.4	9.5	1.6	2.2	2.6	3.0	
SE	1.5	1.4	.4	.0	.0		3.4	9.2	4.1	3.5	2.9	3.2	
S	1.3	1.0	.1	.0	.0		2.4	7.1	2.5	2.4	2.0	2.7	
SW	1.8	1.2	.0	.0	.0		3.0	6.6	5.0	2.2	2.4	2.3	
W	6.9	10.7	.9	.0	.0		18.5	8.7	25.9	19.5	14.5	14.1	
NW	11.9	32.4	3.7	.0	.0		48.1	10.0	45.7	47.4	49.1	50.0	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	7.3						7.3	.0	4.1	9.0	9.5	7.0	
TOT OBS	3363	4972	558	21	0	8914		8.6		2310	1995	2094	2513
TOT PCT	37.7	55.8	6.3	.2	.0		100.0			100.0	100.0	100.0	100.0

JULY

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1877-1979AREA CGO2 SOUTH-WEST BARR
23.44 111.76

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						NR	MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47					
0000	4.1	8.7	50.9	35.2	1.1	0	0	0	9.5	100.0	2110
0600	9.0	8.2	53.1	28.6	1.1	0	0	0	8.5	100.0	1999
1200	9.5	10.4	54.4	25.0	1.0	0	0	0	7.9	100.0	2096
1800	7.0	11.1	52.0	27.7	1.2	0	0	0	8.4	100.0	2513
TOT	649	859	4705	2603	45	3	0	0	8.6		8914
PCT	7.3	9.6	52.8	29.2	1.1	0	0	0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	4.7	2.8	3.7	1.7	13.9	3.8
NE	4.9	1.7	4.8	1.5	13.9	4.2
E	4.8	1.5	4.9	1.4	13.6	4.2
SE	1.1	1.6	1.0	1.6	5.3	4.2
S	4.9	1.5	1.7	1.2	9.3	3.7
SW	1.3	1.6	1.8	1.3	5.9	3.4
W	8.6	3.8	4.0	1.5	17.9	3.2
NW	21.6	10.2	10.9	4.8	47.5	5.3
VSBY	1.0	1.0	1.0	1.0	4.0	1.0
CALM	3.7	1.3	1.2	1.0	7.2	3.1
TOT OBS	2959	1444	1620	741	6764	3.4
TOT PCT	43.7	21.3	24.0	11.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/P)
AND OCCURRENCE OF NH <5/P BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/P	TOTAL
	149	299	599	999	1999	3999	4999	6499	7999		ANY >4/P	OBS
N	1.1	1.1	1.1	1.0	1.8	1.5	1.3	1.1	0	0	0	9.0
NE	1.1	0	0	1.2	1.3	1.2	1.1	0	0	0	0	7.1
E	0	0	1.1	1.2	1.3	1.1	0	0	0	0	0	1.8
SE	1.1	0	1.1	1.1	1.3	1.2	1.1	1.0	0	0	1	2.6
S	1.1	1.0	0	1.1	1.2	1.1	1.1	1.0	0	0	0	1.8
SW	0	1.0	0	1.1	1.2	1.1	1.1	0	0	0	0	2.5
W	1.2	1.1	1.2	1.7	1.2	1.5	1.3	1.1	0	0	1	14.6
NW	1.3	1.1	1.5	2.7	3.8	1.9	1.8	1.1	1.1	1.1	1	37.0
VSBY	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CALM	1.1	0	1.2	1.3	1.6	1.2	0	0	0	0	0	6.6
TOT OBS	69	21	83	373	574	246	122	34	18	25	5199	6764
TOT PCT	1.0	1.7	1.2	5.5	8.5	3.6	1.8	1.5	1.3	1.4	76.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/P) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>C
> OR >5000	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
> OR >5000	1.9	1.1	1.1	1.1	1.1	1.2	1.2	1.2
> OR >3500	2.4	2.9	3.0	3.0	3.0	3.0	3.0	3.0
> OR >2000	5.2	6.4	6.5	6.5	6.5	6.6	6.6	6.6
> OR >1000	12.0	14.6	14.9	15.0	15.0	15.0	15.0	15.1
> OR >600	16.2	20.0	20.4	20.5	20.5	20.6	20.6	20.6
> OR >300	16.9	21.2	21.6	21.7	21.8	21.8	21.8	21.8
> OR >150	17.0	21.4	21.9	22.0	22.1	22.1	22.1	22.1
> OR >0	17.2	21.6	22.4	22.6	22.7	22.9	23.1	23.2
TOTAL	11.87	15.00	15.44	15.55	15.66	15.78	15.91	15.98

TOTAL NUMBER OF OBS: 6890

PCT FREQ NH <5/P: 76.9

TABLE 7A

PERCENTAGE FREQ OF 10% CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
25.5	19.6	14.7	10.8	7.0	4.4	2.8	1.0	0.6	0.7	7283

JULY

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1977-1979AREA 0002 SOUTHWEST BAJA
23.4N 111.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.1	.0	.0	.1	.1	.0	.1	.5	
	TOT %	.0	.0	.0	.1	.0	.0	.1	.1	.0	.1	.5	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.2	
	TOT %	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.2	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.1	.0	.0	.1	.0	.1	.1	.0	.0	.2	1.1	
	TOT %	.1	.0	.1	.1	.0	.1	.2	.0	.0	.2	1.2	
5<10	PCP	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.3	
	NO PCP	1.7	.5	.3	.4	.3	.5	3.3	6.6	.0	1.4	15.0	
	TOT %	1.7	.5	.3	.4	.3	.5	3.4	6.7	.0	1.5	15.3	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
	NO PCP	10.6	2.3	2.0	2.6	1.9	2.3	14.7	40.6	.0	5.1	82.3	
	TOT %	10.6	2.4	2.0	2.6	1.9	2.3	14.8	40.7	.0	5.1	82.5	
TOT OBS													8359
TOT PCT													
12.5 2.4 2.4 3.3 2.4 2.9 10.4 40.0 .0 7.2 100.0													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	
	4-10	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.1	.0	.0	.1	.2	.0	.1	.6	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
	4-10	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.3	
2<5	0-3	.0	.0	.0	.0	.0	.1	.0	.1	.0	.2	.5	
	4-10	.1	.0	.0	.1	.0	.0	.1	.3	.0	.0	.7	
	11-21	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.4	
	22+	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.2	.0	.1	.2	.0	.1	.2	.7	.0	.2	1.7	
5<10	0-3	.3	.0	.0	.0	.1	.1	.4	.6	.0	1.5	3.1	
	4-10	.9	.3	.2	.2	.2	.4	2.1	3.7	.0	.0	7.9	
	11-21	.5	.1	.1	.1	.0	.1	.8	2.3	.0	.0	4.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	1.6	.5	.4	.4	.4	.5	3.3	6.7	.0	1.5	15.3	
10+	0-3	1.3	.4	.3	.4	.4	.6	1.5	2.4	.0	5.3	12.6	
	4-10	6.1	1.5	1.1	1.3	1.1	1.5	9.0	21.8	.0	.0	43.5	
	11-21	2.8	.4	.6	.3	.3	.3	4.1	15.8	.0	.0	24.8	
	22+	.1	.0	.1	.1	.0	.0	.1	.4	.0	.0	.8	
	TOT %	10.3	2.3	1.9	2.5	1.9	2.3	14.8	40.0	.0	5.4	81.8	
TOT OBS													8669
TOT PCT													
12.2 2.8 2.4 3.4 2.4 3.0 10.5 40.1 .0 7.3 100.0													

JULY

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1877-1979AREA 0002 SOUTHWEST BAJA
23.4N 111.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 1999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	PODD*	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.4	.2	.9	3.6	6.8	2.4	1.4	.3	.2	.3	16.5	83.5	1948
06009	1.0	.3	.9	4.6	8.7	3.0	1.6	.4	.4	.3	21.3	78.7	1582
12015	1.5	.2	2.0	7.1	8.9	4.8	2.0	.4	.3	.4	27.9	72.1	1615
18021	1.2	.5	1.0	6.1	8.4	3.8	1.9	.7	.1	.5	24.4	75.6	2040
TOT	73	22	86	383	586	250	125	34	18	29	1406	5579	7185
PCT	1.0	.3	1.2	5.3	8.2	3.5	1.7	.5	.3	.4	22.4	77.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.4	.1	.2	1.0	12.8	85.4	2274
06009	.4	.1	.2	1.6	15.0	82.5	2020
12015	.8	.3	.5	2.6	18.2	77.5	2070
18021	.9	.1	.4	2.0	15.7	80.9	2498
TOT	59	16	30	158	1362	7237	8862
PCT	.7	.2	.3	1.8	15.4	81.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <1	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.5	1.6	6.0	11.6	82.4	1860
06009	1.1	2.4	8.4	14.7	77.0	1520
12015	1.6	4.4	13.0	17.2	69.9	1539
18021	1.3	3.1	10.6	15.5	73.9	1971
TOT	75	196	647	1004	5244	6897
PCT	1.1	2.8	9.4	14.6	76.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
90/94	.0	.0	.0	.0	.1	.1	.0	.0	17	.2
85/89	.0	.0	.0	.1	.5	1.0	.2	.1	131	1.9
80/84	.0	.0	.0	.3	1.9	5.8	5.0	1.1	988	14.2
75/79	.0	.0	.0	.2	1.0	10.4	15.9	7.4	2427	34.8
70/74	.0	.0	.0	.0	.4	4.2	17.1	14.0	2494	35.7
65/69	.0	.0	.0	.0	.0	.6	5.5	6.2	858	12.3
60/64	.0	.0	.0	.0	.0	.0	.3	.6	64	.9
55/59	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
TOTAL	2	2	7	41	276	1534	3063	2057	6982	100.0
PCT	.0	.0	.1	.6	4.0	22.0	43.9	29.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85/89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80/84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75/79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55/59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	2	2	7	41	276	1534	3063	2057	6982	100.0
PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	93	88	84	76	69	66	57	76.4	2333
06009	91	82	80	73	66	64	55	73.1	2039
12015	88	82	80	72	66	63	57	72.7	2135
18021	96	87	84	76	68	65	61	76.1	2549
TOT	96	86	82	75	67	64	55	74.7	9056

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.1	.9	6.6	34.1	42.6	15.8	81	1867
06009	.0	.4	1.2	8.7	45.2	44.6	87	1663
12015	.0	.2	1.1	8.7	41.1	48.8	88	1638
18021	.1	1.2	6.1	32.1	45.7	14.9	81	1981
TOT	2	51	280	1556	3124	2151	84	7144

JULY

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1877-1979AREA 0002 SOUTHWEST NAJA
23.4N 111.7W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93	TOT	W FCG	NO FOG
23/25	.0	.0	.0	.0	.0	.0	.0	*	*	*	.0	3	.0	0
20/22	.0	.0	.0	.0	.0	.0	*	*	*	.0	.0	4	.0	.1
17/19	.0	.0	.0	.0	.0	.0	*	*	.1	.1	*	16	.0	.2
14/16	.0	.0	.0	.0	*	*	.2	.1	.1	*	*	39	0	.5
11/13	.0	.0	.0	.0	*	.2	.4	.5	.2	*	*	98	0	1.2
9/10	.0	.0	.0	*	.1	.3	1.0	.4	.3	.1	.0	179	.1	2.2
7/8	.0	.0	*	*	.3	1.0	1.3	.8	.3	*	.0	297	.1	3.7
6	.0	.0	*	*	.4	1.6	.9	.7	.1	.1	.0	248	.1	3.1
5	.0	.0	.0	.2	.5	1.4	1.5	.8	.2	.0	.0	360	.1	4.5
4	.0	.0	*	.4	.9	1.6	1.5	.9	.2	*	.0	463	.2	5.4
3	.0	.0	*	.2	.9	1.8	1.4	.6	.1	.0	.0	404	.1	5.0
2	.0	*	.1	.8	1.9	3.1	2.4	1.0	.2	.0	.0	753	.4	9.2
1	.0	.0	.1	.5	2.2	2.6	1.7	.7	.1	*	.0	617	.2	7.7
0	.0	.0	.2	1.1	3.0	3.9	3.3	1.1	*	.0	.0	1057	.5	12.0
-1	.0	.0	.1	1.1	3.3	3.5	2.0	.4	.0	.0	.0	818	.2	10.2
-2	.0	*	.3	1.3	2.8	2.9	1.9	.5	*	.0	.0	762	.1	9.6
-3	.0	.0	.1	.7	2.1	2.6	1.4	.2	.0	.0	.0	514	.1	6.5
-4	.0	.0	.1	.9	1.8	1.9	1.2	.2	.0	.0	.0	471	.2	5.9
-5	*	*	.1	.5	1.1	1.4	.7	.1	.0	.0	.0	300	0	3.0
-6	.0	.0	.1	.2	.4	.8	.5	*	.0	.0	.0	187	0	1.4
-7/-8	.0	.0	.1	.3	.8	.8	.4	*	.0	.0	.0	194	.1	2.4
-8/-10	.0	.0	*	.1	.3	.4	.1	*	.0	.0	.0	65	0	.9
-11/-13	.0	.0	*	.1	.2	.1	.1	.0	.0	.0	.0	36	0	.4
-14/-16	.0	*	.0	*	.1	*	.0	.0	.0	.0	.0	10	.0	.1
-17/-19	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	1	.0	0
TOTAL	1	6	90	663	1873	2382	1892	761	146	23	3	7440	2.6	7634
PCT	*	.1	1.1	8.5	23.9	30.4	24.1	9.7	1.9	.3	*	100.0	2.6	97.4

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

							NE							
MGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.6	.0	.0	.0	.0	2.0	.1	.4	.0	.0	.0	.0	.6
1-2	.7	4.6	1.2	.0	.0	.0	6.6	.2	1.4	.4	.0	.0	.0	1.9
3-4	.1	2.3	1.8	.0	.0	.0	4.2	.1	.1	.2	.0	.0	.0	.4
5-6	.0	.9	1.0	.0	.0	.0	1.9	.0	.1	.2	.0	.0	.0	.3
7	.0	.1	.3	0	.0	.0	.5	.0	0	.1	.0	.0	.0	.1
8-9	.0	0	.1	0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	9.0	4.5	.2	.0	.0	15.0	.3	2.0	.9	.0	.0	.0	3.2

							SE							
MGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.2	.0	.0	.0	.0	.4	.1	.4	.0	.0	.0	.0	.5
1-2	.1	.4	.3	.0	.0	.0	.9	.1	.9	.1	.0	.0	.0	1.2
3-4	.0	.2	.2	.0	.0	.0	.5	.1	.3	.2	.1	.0	.0	.7
5-6	.0	.0	0	.0	.0	.0	.9	.0	.1	.1	.0	.1	.0	.2
7	.0	.1	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.1	0	.0	.0	.0	.1	.0	.0	0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.1	.7	.0	.0	.0	2.1	.3	1.7	.6	.1	.1	.0	2.8

PERIOD: (OVER-ALL) 1963-1979

JULY

AREA GCG2 SOUTHWEST RAJA
23.4N 111.7W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	.9
1-2	.1	.0	.1	.0	.0	.0	1.1	.0	1.2	.0	.0	.0	.0	1.2
3-4	.1	.4	.1	.0	.0	.0	.6	.0	.2	.2	.1	.0	.0	.5
5-6	.0	.1	.2	.0	.0	.0	.2	.1	.0	.1	.0	.0	.0	.1
7	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.5	.4	.0	.0	.0	2.3	.4	2.0	.3	.1	.0	.0	2.8

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.6	1.7	.2	.0	.0	.0	2.5	.7	2.5	.1	.0	.0	.0	3.4	
1-2	.3	6.1	1.5	.0	.0	.0	8.1	.9	13.1	4.0	.0	.0	.0	18.1	
3-4	.3	2.7	2.1	.0	.0	.0	5.1	.5	7.9	0.4	.1	.0	.0	16.9	
5-6	.1	.1	.6	.0	.0	.0	.4	.0	1.4	4.9	.3	.0	.0	6.6	
7	.0	.2	.3	.0	.0	.0	.4	.0	.2	.8	.0	.0	.0	1.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.0	.0	.5	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.3	11.0	4.9	.0	.0	.0	17.3	2.2	25.3	10.6	.6	.0	.0	46.7	92.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	11.2	7.6	.4	.0	.0	.0	19.2	
1-2	2.9	20.0	7.5	.0	.0	.0	30.1	
3-4	1.3	13.0	13.1	.2	.0	.0	28.3	
5-6	.2	2.1	7.1	.4	.1	.0	9.8	
7	.0	.6	1.6	.1	.0	.0	2.3	
8-9	.0	.2	.4	.3	.0	.0	.9	
10-11	.0	.0	.1	.1	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.1	.1	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	15.7	53.1	30.1	1.0	.1	.0	100.0	1996

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-26	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.4	16.3	17.3	7.8	1.9	.6	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3030
6-7	.1	2.4	7.9	7.6	3.2	1.4	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1495
8-9	.0	.7	2.0	3.0	2.1	1.0	.4	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	692
10-11	.0	.9	.8	1.2	.8	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	302
12-13	.0	.0	.9	.6	.3	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	142
>13	.0	.0	.0	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	72
INDEX	4.6	1.1	1.8	1.3	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	611
TOTAL	516	1357	2002	1390	576	265	120	64	56	15	3	0	3	3	0	0	0	0	0	0	6350
PCT	8.1	21.4	31.5	21.9	9.1	4.2	1.9	.7	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1890-1979

AUGUST

AREA 0002 SOUTHWEST BAJA
23.4N 111.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WFA
N	.1	.1	.6	.0	.0	.0	.0	.8	.8	.2	.4	.0	1.7	.1	96.0
NE	3.2	1.1	2.5	.0	.0	.0	.0	6.7	.8	1.2	.5	.0	2.1	.0	88.7
E	3.3	.3	.6	.0	.0	.0	.0	4.2	3.7	2.7	.4	.0	1.2	.0	87.8
SE	2.3	.9	1.2	.0	.0	.0	.0	4.3	2.3	.8	.5	.0	1.7	.0	90.4
S	2.3	1.8	1.2	.0	.0	.0	.0	5.0	1.7	.3	.9	.0	3.3	.0	88.9
SW	1.7	.5	.8	.0	.0	.0	.0	2.6	1.3	.1	.2	.4	2.8	.0	92.6
W	.4	.1	.2	.0	.0	.0	.0	.7	.2	.5	.4	.0	3.1	.0	95.1
NW	.2	.0	.1	.0	.0	.0	.0	.3	.1	.5	.4	.0	2.4	.0	96.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.9	1.4	.0	7.9	.0	87.9
TOT PCT	.6	.2	.4	.0	.0	.0	.0	1.1	.5	.6	.5	.0	2.6	.0	94.6
TOT OBS:	8407														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WFA
00003	.4	.2	.2	.0	.0	.0	.0	.8	.4	.0	.2	.0	3.2	.0	95.4
04009	.6	.2	.3	.0	.0	.0	.0	1.0	.4	1.4	.3	.0	1.6	.1	98.3
12015	.7	.3	.6	.0	.0	.0	.0	1.5	.5	1.3	.6	.1	2.5	.1	93.5
18021	.7	.2	.4	.0	.0	.0	.0	1.3	.7	.1	.7	.0	3.1	.0	94.0
TOT PCT	.6	.2	.4	.0	.0	.0	.0	1.1	.5	.7	.5	.0	2.6	.0	94.6
TOT OBS:	8502														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-37	38-47	00	03					06	09	12	15	18	21		
N	1.2	7.1	3.4	.1	.0	0	11.8	8.9	8.5	7.4	10.4	5.4	13.8	11.8	15.2	12.0			
NE	.4	1.7	.4	.0	.0	0	2.5	8.1	1.3	.9	2.8	1.2	2.7	2.7	3.3	5.2			
E	.6	1.5	.6	.2	.0	0	2.9	9.1	1.9	3.1	3.4	2.9	1.0	4.4	3.3	3.6			
SE	.7	2.1	1.5	.4	.0	0	4.7	10.8	5.1	6.0	4.6	6.7	4.3	2.4	4.9	4.3			
S	.5	7.1	.8	.2	.0	0	3.7	9.4	4.3	4.1	3.6	9.1	2.8	4.2	3.3	4.3			
SW	.7	2.0	.5	.0	.0	0	3.2	7.2	4.8	4.3	2.3	3.7	2.4	2.8	2.7	7.0			
W	1.4	10.1	4.5	.1	.0	0	16.1	9.0	23.5	27.4	15.6	24.1	12.0	15.2	11.6	12.4			
NW	2.6	26.8	20.6	.6	.0	0	50.5	10.5	48.3	42.6	52.0	42.6	52.2	52.7	51.1	49.0			
VAR	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CALM	4.5					0	4.5	.0	2.3	4.1	5.3	.8	6.8	3.9	4.5	2.4			
TOT OBS	1110	4760	2872	144	13	7	8906		9.4		2204	145	1898	129	1773	233	2355	169	
TOT PCT	12.5	53.4	32.2	1.6	.1	.1	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GPT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	09	12
N	4.2	7.0	.6	.0	.0	11.8	8.9	8.5	10.1	13.5	15.0		
NE	1.4	.9	.1	.0	.0	2.5	8.1	1.3	2.7	2.7	3.5		
E	1.4	1.1	.3	.1	.0	2.9	9.1	1.9	3.3	3.2	3.3		
SE	1.7	2.1	.7	.2	.0	4.7	10.8	5.1	4.7	4.1	4.9		
S	1.5	1.8	.2	.1	.0	3.7	9.4	4.3	4.0	3.0	3.4		
SW	1.7	1.4	.1	.0	.0	3.2	7.2	4.8	2.4	2.5	3.0		
W	5.3	9.9	.0	.0	.0	16.1	9.0	23.0	16.4	12.4	11.7		
NW	11.3	34.4	4.7	.1	.0	50.5	10.5	47.9	51.4	52.3	50.9		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	4.5					4.5	.0	2.4	5.0	6.4	4.4		
TOT OBS	2944	5227	677	11	8906			2349	2027	2006	2524		
TOT PCT	33.1	58.7	7.6	.5	.1	100.0		100.0	100.0	100.0	100.0		

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PERIOD: (PRIMARY) 1955-1979
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+		
00003	2.4	6.6	49.9	38.8	2.1	.2	.C	10.2	100.0
06009	5.0	7.5	53.4	32.2	1.8	.0	.1	9.4	100.0
12015	6.4	8.7	56.6	27.2	.8	.1	.1	8.5	100.0
18021	4.4	9.2	54.2	20.2	1.6	.2	.1	9.1	100.0
TOT	397	715	4760	2872	144	13	7	9.4	8906
PCT	4.5	8.0	53.4	32.2	1.6	.1	.1	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	4.5	2.9	3.6	1.3		3.0
NE	.7	.7	.7	.4		4.2
E	.8	.7	1.0	.4		4.3
SE	1.3	1.0	1.9	.6		4.4
S	.9	.9	1.1	.6		4.4
SW	1.3	.7	.6	.3		3.5
W	7.5	3.3	3.6	1.1		3.1
NW	23.7	10.9	12.2	4.2		3.2
VAR	.0	.0	.0	.0		.0
CALM	2.1	1.0	1.0	.4		3.2
TOT OBS	2972	1522	1788	645	6927	3.4
TOT PCT	42.9	22.0	25.6	9.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	400 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+ ANY HGT	TOTAL OBS
N	.0	.0	.2	.8	1.4	.5	.3	.0	.0	.1	3.9
NE	.1	.0	.0	.2	.7	.1	.0	.0	.0	.0	1.4
E	.0	.0	.0	.7	.3	.1	.0	.0	.0	.0	2.1
SE	.0	.0	.1	.5	.3	.3	.2	.0	.0	.C	3.5
S	.1	.0	.1	.2	.3	.2	.1	.0	.0	.C	2.5
SW	.0	.0	.1	.1	.2	.1	.0	.0	.0	.C	2.5
W	.0	.0	.1	.7	.9	.4	.2	.0	.0	.1	13.2
NW	.2	.1	.4	2.6	4.3	1.7	.9	.2	.1	.2	46.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	.0
CALM	.0	.0	.1	.2	.3	.1	.0	.0	.C	.1	3.4
TOT OBS	31	11	69	384	575	237	112	19	16	26	5443
TOT PCT	.4	.2	1.0	5.6	8.3	3.6	1.6	.3	.3	.0	78.6

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NMP)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.5	.7	.7	.7	.7	.7	.7	.7
= OR >5000	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
= OR >3500	2.1	2.5	2.5	2.5	2.5	2.5	2.5	2.5
= OR >2000	4.9	5.8	5.9	5.9	5.9	5.9	5.9	5.9
= OR >1800	12.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2
= OR >1600	16.5	19.5	19.7	19.7	19.7	19.7	19.7	19.7
= OR >1500	17.1	20.4	20.6	20.7	20.7	20.7	20.7	20.7
= OR >1400	17.2	20.6	20.8	20.9	20.9	20.9	20.9	20.9
= OR >1300	17.4	20.9	21.2	21.3	21.3	21.3	21.4	21.4
TOTAL	1270	1478	1493	1500	1502	1504	1507	1507

TOTAL NUMBER OF OBS: 7057

PCT FREQ NM <5/8: 78.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
23.5	14.4	15.6	11.2	8.4	5.0	5.0	5.1	6.1	.4	7435

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	0	0	0	0	.0	.0	.0	.0	.0	0	
	NO PCP	0	.0	.0	.0	0	0	.0	0	.0	.0	.1	
	TOT B	0	0	0	0	0	0	.0	0	.0	.0	.1	
1/2<1	PCP	0	.0	.0	0	0	0	0	0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	0	.0	.0	0	.0	.0	0	
	TOT B	0	.0	.0	0	0	0	0	0	.0	.0	.1	
1<2	PCP	.0	0	.0	0	0	0	0	0	.0	.0	.1	
	NO PCP	0	0	.0	.0	.0	.0	0	0	.0	.0	0	
	TOT B	0	0	.0	0	0	0	0	0	.0	.0	.1	
2<5	PCP	0	0	0	0	0	0	0	0	.0	.0	.1	
	NO PCP	0	0	0	0	0	0	0	.1	.0	0	.3	
	TOT B	0	0	.1	.1	0	0	.1	.2	.0	0	.5	
5<10	PCP	0	.1	.1	.1	.1	0	0	.1	.0	.0	.4	
	NO PCP	1.1	.2	.3	.5	.4	.4	1.4	3.9	.0	.5	8.4	
	TOT B	1.1	.4	.4	.5	.4	.4	1.5	3.9	.0	.5	9.2	
10+	PCP	0	0	0	.1	.1	0	0	0	.0	.0	.4	
	NO PCP	10.8	2.0	2.4	4.1	3.1	2.7	14.3	46.4	.0	3.8	89.7	
	TOT B	10.9	2.1	2.5	4.1	3.2	2.8	14.3	46.5	.0	3.8	90.0	
TOT OBS													
TOT PCT													
4390													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	0	0	.0	.0	0	0	0	0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
	22+	.0	0	0	0	0	.0	.0	.0	.0	.0	0	
	TOT B	0	0	0	0	0	0	0	0	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	0	.0	.0	.0	0	.0	.0	.0	.0	.0	0	
	11-21	.0	.0	.0	.0	0	0	.0	.0	.0	.0	0	
	22+	0	.0	.0	0	0	.0	.0	0	.0	.0	0	
	TOT B	0	.0	.0	0	0	0	0	0	.0	.0	.1	
1<2	0-3	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	0	
	4-10	0	0	.0	.0	.0	0	0	0	.0	.0	.1	
	11-21	.0	.0	.0	0	.0	.0	0	0	.0	.0	0	
	22+	.0	0	.0	0	0	0	0	.0	.0	.0	.1	
	TOT B	0	0	.0	0	0	0	0	0	.0	.0	.2	
2<5	0-3	.0	.0	0	0	.0	0	0	0	.0	0	.1	
	4-10	0	0	0	0	0	0	.1	.2	.0	0	.4	
	11-21	0	.0	.0	0	.0	0	0	.1	.0	.0	.2	
	22+	0	0	0	.1	0	0	.0	.0	.0	.0	.2	
	TOT B	.1	0	.1	.1	0	0	.1	.4	.0	0	.9	
5<10	0-3	.1	0	0	.1	.1	.1	.1	.2	.0	.6	1.3	
	4-10	.4	.2	.1	.1	.2	.2	.9	1.9	.0	0	4.2	
	11-21	.4	.1	.2	.2	.1	.1	.4	1.7	.0	0	3.2	
	22+	0	0	.1	.1	.1	0	0	0	.0	0	.3	
	TOT B	1.1	.4	.4	.5	.4	.4	1.5	3.8	.0	.6	9.0	
10+	0-3	1.1	.3	.5	.7	.4	.6	1.2	2.3	.0	3.8	10.8	
	4-10	6.6	1.5	1.4	1.9	1.9	1.8	9.0	24.5	.0	0	48.6	
	11-21	3.0	.3	.5	1.2	.7	.4	4.0	19.0	.0	0	29.1	
	22+	.1	.0	.1	.3	.3	.0	.1	.6	.0	0	1.2	
	TOT B	10.7	2.1	2.4	4.1	3.1	2.7	14.3	46.4	.0	3.8	89.6	
TOT OBS													
TOT PCT													
8643													

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.2	.2	.8	4.2	6.1	2.4	1.4	.4	.1	.6	16.2	83.8	1999
06009	.8	.2	.6	5.1	7.4	3.3	1.3	.2	.2	.3	19.4	80.6	1657
12015	.4	.1	1.1	7.6	10.2	3.2	1.6	.3	.3	.5	25.4	74.6	1586
18021	.4	.1	1.3	4.9	8.7	4.1	1.8	.3	.3	.2	22.2	77.8	2103
TOT	33	12	71	390	589	240	112	21	18	29	1515	5830	7345
PCT	.4	.2	1.0	5.3	8.0	3.3	1.5	.3	.2	.4	20.6	79.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.1	.0	.2	.5	7.6	91.7	2313
06009	.1	.0	.2	1.1	9.8	88.7	2041
12015	.1	.1	.3	1.3	11.0	87.3	1981
18021	.4	.2	.2	.8	8.4	90.0	2497
TOT	16	6	19	80	802	7909	8832
PCT	.2	.1	.2	.9	9.1	89.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.2	1.3	6.0	11.3	82.7	1901
06009	.9	1.8	7.8	13.1	79.1	1586
12015	.5	1.8	10.4	16.4	73.2	1527
18021	.5	2.0	7.4	15.7	76.9	2043
TOT	35	120	549	993	5515	7357
PCT	.5	1.7	7.8	14.1	78.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.1	.0	.0	.0	8	.1
90/94	.0	.0	.0	.1	.3	.2	.1	.1	50	.7
85/89	.0	.0	.0	.2	1.6	2.9	.8	.2	404	5.7
80/84	.0	.0	.1	.2	3.0	13.9	14.2	3.0	2418	34.4
75/79	.0	.0	.0	.1	.8	10.8	20.0	8.4	2817	40.0
70/74	.0	.0	.0	.0	.1	2.1	8.6	6.7	1235	17.5
65/69	.0	.0	.0	.0	.0	.1	.7	.7	104	1.5
60/64	.0	.0	.0	.0	.0	.0	.0	.0	3	.0
TOTAL	0	1	10	44	410	2105	3130	1339	7039	100.0
PCT	.0	.0	.1	.6	5.8	29.9	44.5	19.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.0	.0	.1	.1	.0	.0	.1	.2	.0	.0
85/89	.6	.1	.3	.5	.4	.3	.9	2.5	.0	.2
80/84	3.6	1.0	1.5	2.5	1.5	1.1	6.0	15.4	.0	1.8
75/79	5.6	1.3	.9	1.3	1.4	1.0	6.0	20.7	.0	1.8
70/74	2.4	.2	.1	.3	.3	.3	2.3	10.9	.0	.6
65/69	.3	.0	.0	.0	.0	.0	.1	1.1	.0	.0
60/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	12.6	2.7	2.8	4.7	3.6	2.7	15.5	50.9	.0	4.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	96	91	87	80	73	70	61	80.0	2371
06009	95	84	82	77	70	68	61	76.9	2066
12015	89	84	82	76	70	67	63	76.1	2050
18021	97	90	86	80	73	70	63	79.7	2555
TOT	97	89	85	78	71	68	61	78.3	9042

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.1	9.6	39.8	39.9	9.7	79	1894		
06009	.0	.3	1.4	14.6	52.3	29.2	85	1680		
12015	.0	.3	1.1	16.1	49.5	33.0	86	1601		
18021	.0	1.3	9.7	42.2	58.1	8.8	79	2020		
TOT	0	56	418	2146	3196	1374	62	7195		

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	61 64	65 69	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	NO FOG
26/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
23/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	.0	.1
14/16	.0	.0	.0	.0	.0	.1	.2	.1	.0	31	.0	.4
11/13	.0	.0	.0	.1	.2	.3	.3	.1	.0	83	.0	1.1
9/10	.0	.0	.0	.1	.4	.6	.3	.1	.0	121	.0	1.6
7/8	.0	.0	.0	.4	.9	1.1	.4	.2	.0	239	.0	3.1
6	.0	.0	.1	.6	1.0	1.4	.8	.0	.0	171	.0	2.2
5	.0	.0	.1	.6	1.2	1.4	.8	.0	.0	299	.0	3.6
4	.0	.0	.1	.9	1.5	1.5	.6	.1	.0	362	.0	4.6
3	.0	.0	.1	.9	1.4	1.6	.7	.0	.0	372	.0	4.8
2	.0	.0	.5	1.6	2.3	2.4	.6	.0	.0	579	.1	7.4
1	.0	.0	.5	1.7	2.5	2.1	.5	.0	.0	557	.0	7.1
0	.0	.1	.8	2.9	4.8	3.1	.5	.0	.0	956	.1	12.2
-1	.0	.1	.8	2.8	4.0	2.9	.2	.0	.0	840	.0	10.6
-2	.0	.1	1.3	3.6	4.4	2.7	.1	.0	.0	960	.1	12.3
-3	.0	.1	.7	2.1	3.4	1.7	.1	.0	.0	626	.0	8.0
-4	.0	.2	.7	1.9	3.1	1.2	.0	.0	.0	555	.0	7.1
-5	.0	.1	.6	1.9	2.1	.7	.0	.0	.0	420	.0	5.4
-6	.0	.1	.4	1.0	1.1	.2	.0	.0	.0	214	.0	2.7
-7/-8	.0	.0	.5	1.2	1.1	.2	.0	.0	.0	240	.0	3.1
-9/-10	.0	.0	.2	.6	.4	.0	.0	.0	.0	91	.0	1.2
-11/-13	.0	.0	.1	.2	.1	.0	.0	.0	.0	32	.0	.4
-14/-16	.0	.0	.1	.0	.0	.0	.0	.0	.0	9	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
-20/-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	12	64	593	1909	2754	432	72	11	7774	38	7736	
PCT	.2	.2	7.6	24.6	35.4	24.8	5.6	.9	.1	100.0	.5	99.5

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.4	1.1	.0	.0	.0	.0	1.7	.1	.5	.0	.0	.0	.0	.0	.0	.6
1-2	.4	4.9	1.1	.0	.0	.0	6.4	.2	1.0	.1	.0	.0	.0	.0	.0	1.3
3-4	.1	1.9	1.8	.0	.0	.0	3.8	.0	.2	.1	.0	.0	.0	.0	.0	.4
5-6	.0	.4	.6	.0	.0	.0	1.1	.0	.1	.1	.0	.0	.0	.0	.0	.3
7	.0	.0	.2	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	8.5	3.8	.0	.0	.0	13.4	.3	1.9	.5	.1	.0	.0	.1	.0	2.9

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.1	.2	.0	.0	.0	.0	.3	.3	.3	.0	.0	.0	.0	.0	.0	.6
1-2	.2	.6	.1	.0	.0	.0	1.1	.1	.9	.3	.0	.0	.0	.0	.0	1.4
3-4	.0	.5	.2	.0	.0	.0	.8	.0	.4	.5	.0	.0	.0	.0	.0	1.0
5-6	.0	.4	.1	.0	.0	.0	.5	.1	.3	.7	.1	.0	.0	.0	.0	1.2
7	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	.2
8-9	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	.3
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.7	.7	.3	.0	.0	3.0	.5	2.0	1.7	.7	.1	.0	.0	.0	4.9

PERIOD: (OVER-ALL) 1963-1979

AUGUST

TABLE 18 (CONT)

AREA 0002 SOUTHWEST PAWA
23.4N 111.7W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.1	.0	.0	.0	.4	.2	.5	.0	.0	.0	.0	.6
1-2	.1	1.1	.1	.0	.0	.0	1.3	.2	.7	.2	.0	.0	.0	1.2
3-4	.0	.4	.2	.0	.0	.0	.6	.0	.2	.3	.0	.0	.0	.5
5-6	.0	.2	.2	.0	.0	.0	.5	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.0	.7	.1	.0	.0	3.1	.4	1.4	.7	.0	.0	.0	2.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.4	1.3	.2	.0	.0	.0	1.9	.9	3.1	.1	.0	.0	.0	4.1	
1-2	.3	4.7	1.3	.0	.0	.0	6.4	.9	14.2	5.1	.0	.0	.0	20.2	
3-4	.0	2.3	2.4	.0	.0	.0	4.8	.1	8.0	10.2	.0	.0	.0	18.3	
5-6	.0	.2	1.0	.0	.0	.0	1.3	.0	1.4	5.5	.1	.0	.0	7.3	
7	.0	.0	.2	.1	.0	.0	.3	.0	.0	1.2	.2	.0	.0	1.5	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.4	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.8	8.7	5.2	.2	.0	.0	14.8	2.1	27.0	22.5	.4	.0	.0	52.0	96.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.6	7.5	.4	.0	.0	.0	14.4	
1-2	2.9	28.2	8.3	.0	.0	.0	39.4	
3-4	.5	13.6	15.5	.1	.0	.0	29.7	
5-6	.1	2.8	8.5	.4	.0	.0	11.8	
7	.0	.2	1.8	.5	.0	.0	2.6	
8-9	.0	.3	.5	.3	.0	.0	1.1	
10-11	.0	.0	.0	.2	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.1	
13-16	.0	.0	.0	.1	.1	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.1	.1	.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.1	52.7	35.1	1.8	.1	.2	100.0	2727

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.7	15.9	17.4	6.8	2.5	.8	.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	306.0	3
6-7	.1	2.4	9.0	7.8	3.2	1.0	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1582	5
8-9	.0	.0	2.8	3.2	1.9	1.3	.9	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	747	6
10-11	.0	.4	.9	1.0	1.0	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	297	6
12-13	.0	.0	.7	.6	.4	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	125	6
13	.0	.0	.0	.3	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	81	6
INDCT	3.2	1.3	1.6	1.0	.6	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	528	3
TOTAL	44.9	1337	2081	1331	441	271	140	59	73	21	10	2	1	1	1	0	0	0	0	6420	4
PCT	7.0	20.8	32.4	20.7	10.0	4.2	2.2	.9	1.1	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1982-1979AREA 0002 SOUTHWEST BAJA
23.4N 111.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE	HAZE	BLUG DUST	SPRAY BLUG SNOW	NO SIG WEA
N	.5	.2	.6	.0	.0	.0	.0	1.2	.6	.7	.5	.0	2.2	.2	.0	.0	94.6
NE	3.9	1.0	2.5	.0	.0	.0	.0	7.3	1.6	1.3	.5	.0	2.9	.0	.0	.0	86.4
E	2.3	4.1	1.3	.0	.0	.0	.0	7.7	2.4	4.1	.8	.0	1.4	.0	.0	.0	84.4
SE	2.3	1.7	1.7	.0	.0	.0	.0	5.7	2.4	1.2	.5	.0	1.4	.0	.0	.0	88.8
S	1.5	1.8	.5	.0	.0	.0	.0	3.8	2.4	1.0	.1	.0	.8	.0	.0	.0	91.9
SW	1.9	.7	1.8	.0	.0	.0	.0	4.5	1.1	.8	1.3	.0	3.0	.0	.0	.0	89.4
W	.2	.0	1.0	.0	.0	.0	.0	1.1	.6	.8	.3	.1	3.2	.1	.0	.0	93.7
NW	.3	.1	.2	.0	.0	.0	.0	.6	.2	.6	.4	.0	2.4	.1	.0	.0	95.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.3	.0	.0	.0	.0	.3	.6	1.2	.9	.3	4.3	.3	.0	.0	92.0
TOT PCT	.7	.4	.6	.0	.0	.0	.0	1.7	.7	.9	.4	.0	2.5	.1	.0	.0	93.7
TOT OBS:	4297																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GPT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE	HAZE	BLUG DUST	SPRAY BLUG SNOW	NO SIG WEA
0000Z	.8	.4	.5	.0	.0	.0	.0	1.7	.6	.3	.1	.0	2.8	.1	.0	.0	94.5
0600Z	.8	.2	.6	.0	.0	.0	.0	1.4	.9	1.9	.4	.0	1.9	.1	.0	.0	93.3
1201Z	.8	.6	.9	.0	.0	.0	.0	2.1	.7	1.5	.5	.1	1.8	.1	.0	.0	93.2
1802Z	.6	.5	.6	.0	.0	.0	.0	1.6	.6	.0	.7	.0	3.1	.0	.0	.0	93.0
TOT PCT	.7	.4	.6	.0	.0	.0	.0	1.7	.7	.9	.4	.0	2.4	.1	.0	.0	93.7
TOT OBS:	8414																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	1.0	7.0	5.2	.4	.0	.0		13.6	10.5	10.3	7.8	13.2	9.6	14.9	12.0	16.7	14.3
NE	.3	1.8	.8	.1	.0	.0		3.2	10.0	2.1	1.9	2.5	1.9	3.5	4.7	4.2	5.9
E	.5	1.2	.9	.3	.1	.0		3.0	11.7	2.2	2.5	2.8	1.3	3.4	4.7	3.5	6.0
SE	.5	2.5	1.6	.6	.1	.0		5.2	12.1	5.2	6.8	5.1	6.9	4.5	6.3	5.2	9.1
S	.5	2.3	1.1	.3	.1	.0		4.2	10.3	5.4	5.7	4.7	5.6	3.6	1.6	3.5	2.4
SW	.5	2.0	.9	.1	.0	.0		3.5	9.1	5.6	4.4	3.0	3.9	2.8	4.7	2.7	1.1
W	1.3	6.4	4.0	.3	.0	.0		14.0	9.4	17.8	17.9	15.6	18.5	12.4	12.2	10.5	12.4
NW	2.3	23.3	22.2	1.2	.0	.0		49.1	11.2	48.9	50.0	48.7	51.7	48.5	49.4	49.8	47.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.1							4.1	.0	2.5	2.9	4.3	.7	6.4	4.2	4.0	1.1
TOT OBS	967	4289	3251	294	34	5	8845		10.3	2100	170	1887	135	1760	237	2378	178
TOT PCT	10.9	48.5	36.8	3.3	.4	.1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WNO DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	03	06	12	18
N	3.7	8.2	1.6	.1	0	13.6	10.5	10.1	12.9	14.6	16.5	
NE	1.2	1.5	.3	.1	0	3.2	10.0	2.1	2.5	3.7	4.3	
E	1.1	1.2	.5	.2	0	3.0	11.7	2.2	2.7	3.6	3.7	
SE	1.6	2.3	.9	.3	.1	5.2	12.1	5.3	5.2	4.7	5.4	
S	1.5	2.0	.5	.1	0	4.2	10.3	5.5	4.7	3.4	3.4	
SW	1.7	1.5	.4	0	0	3.5	9.1	5.5	3.1	3.0	2.6	
W	4.7	8.4	.9	.1	.0	14.0	9.4	17.8	15.6	12.4	10.5	
NW	10.2	32.2	4.5	.2	0	49.1	11.2	49.0	48.9	48.6	49.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	4.1					4.1	.0	2.5	4.1	6.1	3.4	
TOT OBS	2676	5065	1033	96	15	8845	10.3	2270	2022	1997	2586	
TOT PCT	29.8	57.3	11.7	1.1	.2	100.0		100.0	100.0	100.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1882-1979

AREA 0002 SOUTHWEST OAJA
23.4N 131.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	WIND SPEED (KNOTS)					MEAN	PCT FREQ	TOTAL OBS
			4-10	11-21	22-33	34-47	48+			
0000	2.5	5.7	43.4	43.9	3.9	.5	.1	11.3	100.0	2270
0600	4.1	6.7	49.7	35.9	3.3	.2	0	10.2	100.0	2027
1200	6.1	6.3	55.0	31.6	2.7	.2	.1	9.5	100.0	1997
1800	3.8	8.4	48.5	35.3	3.3	.5	0	10.1	100.0	2550
TOT	360	607	4289	3256	294	34	5	10.3		8846
PCT	4.1	6.9	48.5	36.8	3.3	.4	.1	10.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL OBS	MEAN CLOUD COVER
N	4.6	3.0	3.3	1.7		3.2
NE	.9	.9	.9	.9		4.1
E	.7	.6	.9	.7		4.7
SE	1.3	1.3	1.0	.7		4.0
S	1.3	1.1	1.3	.7		4.2
SW	1.3	.8	.7	.7		3.0
W	7.0	3.0	2.0	1.1		2.9
NW	25.8	9.7	10.2	3.1		2.0
VAR	.0	.0	.0	.0		.0
CALM	2.3	.9	.7	.2		2.5
TOT OBS	3239	1452	1544	600	6840	3.1
TOT PCT	47.4	21.2	22.6	8.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000	ANY	ANY	TOTAL
149	249	599	999	1999	3999	4999	6999	7999		NO	YES	OBS
N	.1	0	.1	.6	1.5	.5	.3	0	.1	0	10.4	
NE	.1	.0	.1	.3	.2	.1	0	0	.0	0	2.3	
E	.1	0	.1	.4	.4	.1	0	.0	.0	.0	1.4	
SE	.1	0	.1	.4	.5	.2	.1	0	0	0	3.6	
S	0	0	.1	.2	.3	.2	.1	0	.0	0	3.2	
SW	.1	0	.1	.4	.3	.1	0	0	0	0	2.4	
W	.1	.0	.2	.7	1.0	.3	.2	0	0	0	13.3	
NW	.2	.1	.4	2.1	3.6	1.5	.7	.7	.1	.1	40.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	0	.0	.1	.2	0	0	.0	.0	0	0	3.6	
TOT OBS	52	15	79	352	560	205	90	24	18	19	5417	6840
TOT PCT	.8	.2	1.2	5.1	8.2	3.0	1.4	.4	.3	.3	79.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NMI)

CEILING (FEET)	VSBY (NMI)							
	>10	>5	>2	>1	>1/2	>1/4	>5000	>C
> OR 26500	.5	.5	.6	.6	.6	.6	.6	.6
> OR 25000	.0	.0	.0	.0	.0	.0	.0	.0
> OR 23500	2.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
> OR 22000	4.3	5.2	5.3	5.3	5.3	5.3	5.3	5.3
> OR 20500	11.2	13.3	13.5	13.5	13.5	13.5	13.5	13.5
> OR 19000	14.8	18.0	18.4	18.5	18.5	18.6	18.6	18.6
> OR 17500	15.5	18.9	19.4	19.6	19.6	19.7	19.7	19.7
> OR 16000	15.7	19.1	19.6	19.8	19.9	19.9	19.9	19.9
> OR 14500	16.0	19.5	20.2	20.4	20.5	20.6	20.7	20.7
TOTAL	1106	1350	1396	1410	1420	1426	1429	1429

TOTAL NUMBER OF OBS: 6912

PCT FREQ NM <5/8: 79.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL
25.9	19.2	14.7	11.6	7.3	5.0	3.4	4.4	5.8	.5	7244

SEPTEMBER

PERIOD: (PRIMARY) 1954-1974
(OVER-ALL) 1962-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	0	0	0	0	0	.0	0	.0	.0	.1	
	NO PCP	0	0	.0	.0	.0	.0	0	0	.0	0	.1	
	TOT %	0	0	0	0	0	0	.0	0	.0	0	.1	
1/2<1	PCP	0	0	0	0	0	0	.0	0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	0	0	.0	.0	.1	
	TCT %	0	0	0	0	0	0	.0	0	.0	.0	.1	
1<2	PCP	.0	0	0	.1	.0	0	0	0	.0	0	.2	
	NO PCP	0	0	.0	0	.0	0	0	.0	.0	.0	.1	
	TOT %	0	0	0	.1	.0	0	0	0	.0	0	.2	
2<5	PCP	0	.1	.1	.1	0	0	0	0	.0	.0	.3	
	NO PCP	.1	.1	.1	0	0	.1	0	.1	.0	0	.5	
	TOT %	.1	.1	.1	.1	.1	.1	.1	.2	.0	0	.8	
5<10	PCP	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.6	
	NO PCP	1.2	.3	.4	.7	.5	.6	1.5	4.2	.0	.3	9.5	
	TOT %	1.2	.4	.5	.8	.5	.6	1.5	4.3	.0	.3	10.2	
10+	PCP	.1	.1	0	.1	0	0	0	.1	.0	.0	.5	
	NO PCP	12.4	2.5	2.4	4.2	3.7	2.6	12.5	44.4	.0	1.5	88.1	
	TOT %	12.4	2.5	2.5	4.2	3.7	2.7	12.5	44.5	.0	1.5	88.6	
TOT OBS													8276
TOT PCT													13.8 3.1 3.1 5.2 4.3 3.4 14.1 49.7 .0 1.9 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	
	4-10	0	0	.0	.0	0	.0	.0	0	.0	0	.1	
	11-21	0	0	.0	.0	0	0	.0	0	.0	0	.1	
	22+	.0	0	0	0	0	.0	.0	0	.0	0	0	
	TOT %	0	0	0	0	0	0	.0	.1	.0	0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	0	.0	0	0	
	11-21	.0	0	.0	.0	.0	.0	.0	.0	.0	0	0	
	22+	0	0	0	0	0	0	.0	0	.0	0	.1	
	TCT %	0	0	0	0	0	0	.0	0	.0	.0	.1	
1<2	0-3	0	.0	.0	.0	.0	.0	0	.0	.0	0	0	
	4-10	.0	0	0	0	.0	.0	.0	0	.0	0	.1	
	11-21	.0	0	0	0	.0	.0	0	0	.0	0	.1	
	22+	.0	0	0	0	.0	0	0	0	.0	0	.1	
	TCT %	0	0	0	.1	.0	0	0	.1	.0	0	.3	
2<5	0-3	.0	0	0	.0	.0	0	0	0	.0	0	.1	
	4-10	0	0	0	0	0	0	.1	.2	.0	0	.4	
	11-21	.1	0	0	.0	.0	0	0	.2	.0	0	.3	
	22+	0	0	.1	.1	0	0	0	0	.0	0	.3	
	TCT %	.1	.1	.1	.1	0	.1	.1	.4	.0	0	1.2	
5<10	0-3	.1	0	.1	0	0	.1	.1	.2	.0	.3	1.0	
	4-10	.0	.2	.2	.2	.2	.3	.9	1.8	.0	0	4.2	
	11-21	.5	.1	.1	.3	.2	.3	.4	2.0	.0	0	3.9	
	22+	.1	0	.1	.3	.1	.1	.1	.2	.0	0	.9	
	TOT %	1.2	.4	.5	.8	.5	.6	1.5	4.2	.0	.3	10.0	
10+	0-3	.9	.3	.4	.4	.4	.4	1.2	2.1	.0	3.6	9.7	
	4-10	6.5	1.5	1.0	2.2	2.1	1.6	7.4	21.2	.0	0	43.6	
	11-21	4.6	.7	.8	1.3	.9	.6	3.6	20.2	.0	0	32.7	
	22+	.3	.1	.2	.3	.2	0	.2	1.0	.0	0	2.2	
	TOT %	12.3	2.5	2.4	4.2	3.6	2.7	12.4	44.5	.0	3.6	88.2	
TOT OBS													8610
TOT PCT													13.6 3.1 3.1 5.2 4.3 3.5 14.0 49.2 .0 4.0 100.0

SEPTEMBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1982-1979AREA C022 SOUTHWEST BAJA
23.4N 111.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	400	1000	2000	3500	5000	6500	8000*	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.4	.3	1.3	4.4	7.3	2.7	1.4	.4	.3	.2	18.6	81.4	1912
06009	.6	.2	1.0	4.9	6.6	1.8	1.0	.2	.1	.5	16.9	83.1	1633
12015	1.1	.0	1.3	6.5	8.2	2.8	1.0	.4	.1	.5	21.9	78.1	1527
18021	.9	.4	1.0	4.4	9.4	4.1	1.9	.4	.4	.0	22.9	77.1	2072
TOT	52	16	81	355	567	207	99	75	18	21	1441	5703	7144
PCT	.7	.2	1.1	5.0	7.9	2.9	1.4	.3	.3	.3	20.2	79.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+ TOTAL OBS
00003	.2	.0	.3	.9	8.6	89.9 2233
06009	.1	.1	.1	1.2	11.3	87.1 2022
12015	.3	.2	.3	1.6	13.4	86.3 1971
18021	.2	.1	.4	1.1	9.0	89.1 2502
TOT	19	10	25	103	872	7699 8728
PCT	.2	.1	.3	1.2	10.0	88.2 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ ANDS*	NM <5/8 AND 5+	TOTAL OBS
00003	.4	2.0	6.8	12.4	80.9	1846
06009	.6	1.9	7.5	10.2	82.2	1577
12015	1.2	2.6	10.0	13.2	76.8	1477
18021	.9	2.3	7.2	16.5	76.3	2012
TOT	52	151	535	916	5461	6912
PCT	.8	2.2	7.7	13.3	79.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	4	.1
90/94	.0	.0	.0	.1	.3	.3	.1	.1	64	.9
85/89	.0	.0	.0	.1	1.6	4.7	1.5	.3	572	8.2
80/84	.0	.0	.0	.7	3.3	15.2	17.2	3.8	2775	39.9
75/79	.0	.0	.0	.0	1.3	5.6	16.0	8.9	2589	36.6
70/74	.0	.0	.0	.1	.5	2.4	5.5	3.9	859	12.3
65/69	.0	.0	.0	.0	.0	.1	1.0	.8	129	1.9
60/64	.0	.0	.0	.0	.0	.0	.1	.1	8	.1
TOTAL	0	1	7	43	492	2250	2427	1240	6960	100.0
PCT	.0	.0	.1	.6	7.1	32.3	42.1	17.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.1	.0	.0	.1	.0	.0	.2	.4	.0	.0
85/89	.9	.2	.3	.8	.5	.5	1.3	3.2	.0	.5
80/84	5.1	1.4	1.5	2.8	2.2	1.4	6.0	17.3	.0	2.2
75/79	5.3	1.1	.9	1.4	1.4	1.2	4.8	19.3	.0	1.1
70/74	2.4	.3	.2	.2	.1	.2	1.3	7.3	.0	.2
65/69	.4	.1	.0	.0	.0	.0	.2	1.1	.0	.0
60/64	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
TOTAL	14.3	3.2	3.0	5.1	4.3	3.5	13.8	48.7	.0	4.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	PAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	99	90	88	81	73	65	62	80.6	2282
06009	88	85	83	78	70	64	62	77.7	2047
12015	90	84	82	77	70	64	63	77.0	2022
18021	97	90	87	81	73	70	66	80.7	2568
TOT	99	89	86	79	72	68	62	79.2	8919

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.2	10.6	42.0	35.9	10.3	79	1814		
06009	.0	.4	2.7	22.0	51.0	24.3	84	1664		
12015	.0	.2	1.8	18.1	51.0	28.9	85	1578		
18021	.0	1.0	11.8	42.9	33.6	10.8	79	2008		
TOT	0	52	495	2275	2979	1263	81	7064		

SEPTEMBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1882-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.7W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	% FOG
23/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	.0	.1
14/16	.0	.0	.0	.0	.0	.1	.1	.1	.0	16	.0	.2
11/13	.0	.0	.0	.0	.2	.2	.1	.1	.0	50	.0	.6
9/10	.0	.0	.0	.0	.2	.4	.2	.2	.0	75	.0	1.0
7/8	.0	.0	.0	.3	.4	.7	.6	.5	.0	179	.0	2.3
6	.0	.0	.0	.2	.4	.6	.5	.1	.0	140	.0	1.8
5	.0	.0	.1	.2	.7	1.1	.6	.1	.0	214	.0	2.8
4	.0	.0	.2	.4	.9	1.9	.8	.1	.0	339	.0	4.4
3	.0	.0	.1	.4	1.1	1.8	.7	.1	.0	328	.0	4.3
2	.0	.1	.2	.9	2.3	2.8	1.0	.1	.0	558	.0	7.3
1	.0	.1	.3	1.0	2.1	2.8	1.0	.0	.0	547	.0	7.2
0	.0	.1	.4	1.9	4.1	5.7	.9	.0	.0	980	.1	12.8
-1	.0	.1	.5	1.7	3.6	3.4	.7	.0	.0	761	.1	9.9
-2	.0	.2	.6	2.3	5.1	3.7	.3	.0	.0	931	.1	12.1
-3	.0	.1	.6	1.9	3.7	2.4	.1	.0	.0	671	.0	8.8
-4	.0	.1	.4	2.4	3.5	1.9	.1	.0	.0	663	.0	8.7
-5	.0	.1	.5	1.9	2.9	.9	.1	.0	.0	496	.0	6.5
-6	.0	.1	.4	1.1	1.6	.3	.0	.0	.0	261	.0	3.4
-7/-8	.0	.1	.5	1.3	1.4	.2	.0	.0	.0	265	.0	3.5
-9/-10	.0	.1	.3	.5	.4	.0	.0	.0	.0	90	.0	1.2
-11/-13	.0	.0	.1	.3	.1	.0	.0	.0	.0	40	.0	.5
-14/-16	.0	.0	.1	.0	.0	.0	.0	.0	.0	9	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	12	85	431	1431	2333	589	98	12	7627	32	7595	
PCT	.2	1.1	5.7	18.8	34.6	30.6	7.7	1.3	.2	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N								NE								PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.3	1.5	.1	.0	.0	.0	1.8		.1	.4	.0	.0	.0	.0	.0	.6	
1-2	.4	3.6	1.4	.0	.0	.0	5.5		.0	1.2	.4	.0	.0	.0	.0	1.6	
3-4	.0	2.6	3.2	.1	.0	.0	5.9		.0	.3	.3	.0	.0	.0	.0	.7	
5-6	.1	.5	1.8	.1	.0	.0	2.6		.0	.2	.2	.0	.0	.0	.0	.3	
7	.0	.0	.7	.1	.0	.0	.8		.0	.0	.1	.0	.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.8	8.4	7.7	.4	.0	.0	16.8		.2	2.1	1.1	.0	.0	.0	.0	3.4	

HGT	E								SE								PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.1	.1	.0	.0	.0	.0	.3		.1	.5	.0	.0	.0	.0	.0	.7	
1-2	.0	.5	.2	.0	.0	.0	.8		.0	.7	.2	.0	.0	.0	.0	.9	
3-4	.0	.2	.7	.1	.0	.0	.5		.0	.4	.8	.0	.0	.0	.0	1.3	
5-6	.0	.0	.1	.1	.0	.0	.4		.0	.0	.5	.2	.0	.0	.0	.7	
7	.0	.0	.2	.1	.0	.0	.3		.0	.0	.1	.3	.0	.0	.0	.4	
8-9	.0	.0	.0	.0	.0	.0	.1		.0	.0	.1	.0	.0	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.1	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.2	.9	.8	.5	.0	.0	2.5		.1	1.7	1.6	.7	.0	.0	.0	4.2	

PERIOD: (OVER-ALL) 1963-1979

SEPTEMBER

ARFA DOC? SOUTHWEST PAJA
23.44 111.76

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.1	.2	.0	.0	.0	.0	.4	.2	.4	.0	.0	.0	.0	.6	
1-2	.0	1.0	.2	.0	.0	.0	1.2	.1	.7	.1	.0	.0	.0	.9	
3-4	.0	.8	.4	.0	.0	.0	1.2	.0	.3	.4	.0	.0	.0	.7	
5-6	.0	.2	.3	.1	.0	.0	.6	.1	.1	.2	.1	.0	.0	.4	
7	.0	.0	.1	.1	.0	.0	.3	.0	.0	.1	.0	.0	.0	.2	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.2	2.3	1.0	.2	.0	.0	3.8	.4	1.5	.8	.1	.0	.0	2.8	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.4	1.4	.0	.0	.0	.0	1.8	.7	1.9	.1	.0	.0	.0	2.8	
1-2	.4	3.4	.9	.0	.0	.0	4.7	.5	11.9	4.4	.0	.0	.0	17.0	
3-4	.2	2.0	1.4	.1	.0	.0	3.6	.3	7.0	11.5	.4	.0	.0	19.2	
5-6	.0	.5	1.3	.1	.0	.0	2.0	.0	1.0	7.0	.3	.0	.0	8.3	
7	.0	.1	.3	.0	.0	.0	.5	.0	.1	1.7	.2	.0	.0	2.0	
8-9	.0	.0	.1	.1	.0	.0	.2	.0	.0	.3	.1	.0	.0	.4	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.3	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.1	7.4	4.0	.3	.1	.0	12.9	1.6	21.9	25.4	1.1	.0	.0	50.1	96.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.0	6.4	.3	.0	.0	.0	12.8	0.0
1-2	1.7	23.2	7.0	.0	.0	.0	32.7	0.0
3-4	.6	13.4	17.9	.0	.0	.0	32.7	0.0
5-6	.3	2.4	11.4	.9	.0	.0	15.3	0.0
7	.0	.4	1.2	.9	.1	.0	3.5	0.0
8-9	.0	.1	.5	.3	.0	.0	.9	0.0
10-11	.0	.0	.2	.1	.0	.0	.4	0.0
12	.0	.0	.0	.1	.0	.0	.2	0.0
13-16	.0	.0	.2	.2	.0	.0	.4	0.0
17-19	.0	.0	.0	.0	.0	.0	.1	0.0
20-22	.0	.0	.0	.0	.0	.0	.0	0.0
23-25	.0	.0	.0	.0	.0	.0	.0	0.0
26-32	.0	.0	.0	.0	.0	.0	.0	0.0
33-40	.0	.0	.0	.0	.0	.0	.0	0.0
41-48	.0	.0	.0	.0	.0	.0	.0	0.0
49-60	.0	.0	.0	.0	.0	.0	.0	0.0
61-70	.0	.0	.0	.0	.0	.0	.0	0.0
71-86	.0	.0	.0	.0	.0	.0	.0	0.0
87+	.0	.0	.0	.0	.0	.0	.0	0.0
TOT PCT	8.7	46.1	41.7	3.3	.2	.0	100.0	211.7

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.4	14.2	17.2	8.0	2.3	.9	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2910	3
6-7	.1	1.9	7.1	8.3	4.0	1.5	.7	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1518	5
8-9	.0	.9	2.8	2.8	2.8	1.5	.7	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	784	6
10-11	.0	.0	.9	.8	.8	.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	280	7
12-13	.0	.0	.7	.4	.3	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	135	7
13-14	.0	.0	.0	.4	.3	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	60	8
15-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	520	1
TOTAL	400	1165	1670	1777	697	335	157	98	80	20	.4	.2	.1	.0	.0	.0	.0	.0	.0	6215	4
PCT	6.4	18.7	30.2	22.1	11.2	5.4	2.5	1.6	1.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1800-1979

OCTOBER

AREA 0002 SOUTHWEST BAJA
23.34 111.04

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHORE HAZE	BLUG DUST	SPRAY	NO SIG WFA
N	.3	.1	.4	.0	.0	.0	.0	.8	.4	.4	.2	.0	1.7	.0	.0	96.5
NE	2.5	.1	1.5	.0	.0	.0	.0	3.8	2.0	1.6	.3	.0	1.0	.0	.0	91.3
E	4.8	2.4	2.5	.0	.0	.0	.0	9.7	3.5	1.6	.5	.0	.0	.0	.0	84.7
SE	2.9	1.5	1.6	.0	.0	.0	.0	8.0	4.2	2.2	.0	.0	.1	.0	.0	87.5
S	.6	.4	.0	.0	.0	.0	.0	1.0	1.3	2.0	.0	.0	.4	.0	.0	95.4
SW	1.0	.6	.5	.0	.0	.0	.0	2.2	.4	1.2	.0	.0	.6	.0	.0	95.6
W	.3	.2	.4	.0	.0	.0	.0	.8	1.1	.5	.7	.0	2.4	.0	.0	94.4
NW	.1	.0	.1	.0	.0	.0	.0	.3	.3	.3	.5	.0	2.8	.0	.0	95.9
VAR	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	96.9
CALM	.0	.4	.0	.0	.0	.0	.0	.4	.0	1.5	.4	.0	2.9	.0	.0	94.9
TOT PCT	.5	.2	.4	.0	.0	.0	.0	1.0	.7	.6	.4	.0	2.2	.0	.0	95.2
TOT OBS:	8096															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FG NO PCPN	FG NO PCPN PAST HR	SHORE HAZE	BLUG DUST BLUG SNOW	SPRAY	NO SIG WFA
0000	.8	.3	.5	.0	.0	.0	.0	1.5	.7	.1	.4	.0	3.2	.0		94.1
0600	.4	.1	.2	.0	.0	.0	.0	.6	.6	1.4	.4	.0	1.8	.0		95.2
1200	.5	.2	.6	.0	.0	.0	.0	1.2	.5	1.0	.4	.0	1.2	.1		95.8
1800	.3	.2	.2	.0	.0	.0	.0	.8	.8	.0	.4	.0	2.4	.0		95.5
TOT PCT	.5	.2	.4	.0	.0	.0	.0	1.0	.7	.6	.4	.0	2.2	.0		95.1
TOT OBS:	0215															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.3	11.5	7.7	.3	.0	.0		20.9	10.1		15.8	13.8	18.0	14.6	23.2	19.3	26.5	25.7
NE	.4	2.5	1.0	.1	.0	.0		4.0	9.3		2.5	4.0	3.7	1.2	4.4	5.3	5.1	6.9
E	.3	1.3	.7	.2	.0	.0		2.5	10.5		2.2	3.4	2.4	4.0	2.7	2.9	2.4	2.1
SE	.4	1.2	.8	.2	.0	.0		2.6	10.6		2.7	3.1	3.1	1.9	2.1	2.5	2.7	1.6
S	.4	1.1	.5	.1	.0	.0		2.1	9.3		2.2	1.0	2.3	3.8	1.9	1.6	2.1	4.5
SW	.5	1.5	.3	.0	.0	.0		2.3	7.3		1.2	2.7	1.9	2.8	2.0	3.3	1.9	4.7
W	1.0	6.4	2.3	.1	.0	.0		9.8	8.8		13.2	8.8	10.3	16.0	7.4	8.3	8.3	8.6
NW	2.4	26.1	22.7	.4	.0	.0		52.2	10.8		56.5	58.9	53.5	51.8	50.8	55.6	48.0	47.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.4							3.4	.0		1.6	4.2	4.8	.4	5.4	.8	1.0	.7
TOT OBS	870	4915	3129	130	9	2	8695		9.9		2057	168	1827	106	1781	241	2370	143
TOT PCT	10.0	51.9	36.0	2.0	.1	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
		7-16	17-27	28-40	41+				00 09	03 15	06 21	09 21	
N	5.4	13.5	2.0	0	0		20.9	10.1	15.7	17.8	22.7	26.5	
NE	1.4	2.3	.3	0	0		4.0	9.3	2.6	3.6	4.5	5.1	
E	.9	1.2	.3	.1	0		2.4	10.5	2.3	2.6	2.7	2.3	
SE	.9	1.3	.5	0	.0		2.6	10.6	2.7	3.0	2.1	2.7	
S	1.0	.9	.3	0	0		2.1	9.3	2.1	2.4	1.9	2.2	
SW	1.2	1.0	.1	0	.0		2.3	7.3	1.2	2.0	2.2	2.0	
W	3.9	5.2	.7	.1	0		9.8	8.8	12.9	10.6	7.6	8.3	
NW	11.2	35.2	5.6	.2	0		52.2	10.8	56.7	53.5	51.3	48.0	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	3.4						3.4	.0	1.8	4.6	4.8	2.9	
TOT OBS	2513	5256	845	34	4	8695		9.9	2225	1933	2024	2513	
TOT PCT	29.3	60.4	9.7	.4	.0		100.0		176.0	100.0	100.0	100.0	

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PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1880-1979

AREA 0002 SOUTHWEST PAJA
23.3N 111.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			4R+	PEAN	PCT FRFQ	TOTAL OBS
				11-21	22-33	34-47				
00003	1.8	5.1	48.3	42.0	2.6	.2	.0	10.8	100.0	2225
06109	4.6	6.4	52.7	34.7	1.7	.1	.0	9.7	100.0	1939
12115	4.8	6.1	55.5	31.6	1.9	.0	.0	9.3	100.0	2024
18121	2.9	8.4	51.6	35.2	1.7	.1	.1	9.7	100.0	2513
TOT	299	572	4514	3129	170	9	2	9.9		8695
PCT	3.4	6.6	51.9	36.0	2.0	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 6 OBS	TOTAL OBS	MEAN CLOUD COVER
N	11.3	4.5	4.2	1.5		2.8
NE	1.7	.4	1.2	.5		3.6
E	.7	.4	.7	.5		4.4
SE	1.0	.4	.8	.6		4.2
S	.0	.5	.6	.2		3.7
SW	1.0	.5	.5	.2		3.3
W	.0	2.0	2.0	.9		3.0
NW	30.5	9.8	8.5	2.4		2.4
VAR	.0	.0	.0	.0		.0
CALM	2.4	.6	.5	.2		2.1
TOT OBS	3708	1333	1280	482	6803	2.7
TOT PCT	54.5	19.6	18.8	7.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6000	8000	NM <5/8 ANY 4/8	TOTAL OBS
N	.1	.1	.2	.0	1.6	.0	.3	.1	.1	.1	17.5	
NE	.0	.0	.0	.4	.4	.2	.0	.0	.0	.1	2.8	
E	.0	.1	.0	.2	.4	.2	.1	.0	.0	.0	1.5	
SE	.0	.0	.0	.3	.4	.0	.0	.0	.0	.0	1.9	
S	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	1.7	
SW	.0	.0	.0	.1	.2	.1	.0	.0	.0	.0	1.8	
W	.0	.0	.1	.0	.8	.3	.2	.1	.0	.1	7.9	
NW	.1	.1	.2	1.4	2.9	1.4	.7	.2	.1	.1	44.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	3.3	
TOT OBS	19	16	40	265	470	227	96	34	17	24	5599	6803
TOT PCT	.3	.2	.6	3.9	6.9	3.3	1.4	.5	.2	.4	82.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)			VSBY (NM)			VSBY (NM)		
	>10	>5	>2	>1	>1/2	>1/4	>5000	>1000	>0
> OR >6500	.5	.6	.6	.6	.6	.6	.6	.6	.6
> OR >5000	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
> OR >3500	2.2	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5
> OR >2000	4.8	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7
> OR >1000	10.7	12.4	12.6	12.6	12.6	12.7	12.7	12.7	12.7
> OR >600	13.8	14.1	14.5	14.5	14.5	14.5	14.5	14.5	14.5
> OR >300	14.2	14.6	17.0	17.0	17.0	17.1	17.1	17.1	17.1
> OR >150	14.4	14.8	17.3	17.3	17.3	17.3	17.3	17.3	17.3
> OR > 0	14.5	17.0	17.5	17.6	17.6	17.6	17.6	17.6	17.6
TOTAL	947	1149	1203	1207	1207	1209	1209	1209	1209

TOTAL NUMBER OF OBS: 6874

PCT FREQ NM <5/8: 82.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OR SC	TOTAL OBS
32.4	17.9	14.0	11.0	8.5	4.1	4.8	4.3	4.7	.1	7215

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PERIOD: (PRIMARY) 1954-1979
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AREA 0002 SOUTHWEST BAJA
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
	NO PCP	.1	.0	.0	.0	.0	.0	.1	.3	.0	.0	.6	.6
	TOT B	.1	.0	.0	.0	.0	.0	.1	.3	.0	.0	.7	.7
	TOT PCT	.1	.0	.0	.0	.0	.0	.1	.3	.0	.0	.7	.7
5<10	PCP	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	1.5	.4	.3	.2	.2	.1	.9	3.6	.0	.2	7.3	7.3
	TOT B	1.5	.5	.4	.3	.2	.1	.9	3.6	.0	.2	7.3	7.3
	TOT PCT	1.5	.5	.4	.3	.2	.1	.9	3.6	.0	.2	7.3	7.3
10+	PCP	.1	.1	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0
	NO PCP	19.4	7.4	1.9	2.3	7.0	2.2	8.0	47.0	.0	3.1	91.0	91.0
	TOT B	19.5	7.5	2.0	2.4	7.0	2.2	8.1	47.0	.0	3.1	91.0	91.0
	TOT PCT	19.5	7.5	2.0	2.4	7.0	2.2	8.1	47.0	.0	3.1	91.0	91.0
TOT OBS													
TOT PCT													
8068													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SFD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.1	.0	.0	.0	.0	.0	.1	.2	.0	.0	.1	.1
	11-21	.1	.0	.1	.0	.0	.0	.0	.2	.0	.0	.4	.4
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
5<10	0-3	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2	.2
	4-10	.0	.2	.1	.1	.1	.1	.5	1.4	.0	.0	3.3	3.3
	11-21	.0	.2	.1	.1	.1	.1	.3	1.9	.0	.0	3.3	3.3
	22+	.1	.0	.1	.1	.0	.0	.1	.0	.0	.0	.4	.4
10+	0-3	1.2	.3	.3	.3	.4	.4	.0	2.3	.0	3.1	9.0	9.0
	4-10	10.7	2.2	1.1	1.2	1.0	1.4	9.9	24.6	.0	46.0	86.0	86.0
	11-21	7.1	.0	.5	.7	.4	.3	2.0	20.6	.0	32.0	72.0	72.0
	22+	.3	.1	.1	.2	.1	.0	.1	.7	.0	.0	1.6	1.6
TOT OBS													
TOT PCT													
8398													

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1880-1979

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AREA 0002 SOUTHWEST BALA
73.34 111.6W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	SCYC 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000Z	.2	.4	.5	3.4	5.3	3.4	1.3	.4	.2	.6	15.6	84.4	1877
0600Z	.3	.1	.6	3.3	6.2	2.7	1.2	.4	.2	.2	15.3	84.7	1625
1201Z	.4	.3	.4	4.3	8.8	3.8	1.5	.3	.1	.2	26.2	79.8	1565
1802Z	.2	.1	.6	4.0	6.8	2.8	1.4	.8	.4	.2	17.3	82.7	2059
TOT	19	16	40	266	476	275	97	34	17	24	1214	5812	7126
PCT	.3	.2	.6	3.7	6.7	3.2	1.4	.5	.2	.3	17.0	83.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NMP) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000Z	.0	.1	.1	1.4	7.1	91.3	2180
0600Z	.1	.0	.1	1.4	8.6	89.8	1923
1201Z	.2	.1	.3	.9	8.3	90.3	1979
1802Z	.0	.0	.2	.9	6.8	92.2	2437
TOT	5	4	14	57	648	7751	8514
PCT	.1	.0	.2	1.1	7.6	91.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NMP) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <4000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 ANY 5+	TOTAL OBS
0000Z	.2	1.1	5.5	11.4	83.1	1884
0600Z	.3	1.1	5.4	11.0	83.5	1579
1201Z	.5	1.5	6.4	15.0	78.6	1497
1802Z	.3	1.1	5.8	12.4	81.8	1994
TOT	20	40	147	351	5626	6874
PCT	.3	1.2	5.8	12.4	81.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
05/00	.0	.0	.0	.1	.0	.0	.0	.0	7	.1
06/04	.0	.0	.0	.1	.1	.1	.0	.0	26	.4
08/09	.0	.0	.0	.3	1.0	1.5	.6	.1	241	3.5
09/04	.0	.0	.1	.6	4.9	11.5	8.9	1.6	1943	27.9
10/09	.0	.0	.1	.9	4.7	10.3	14.9	5.2	2912	41.0
11/14	.0	.0	.1	.3	2.6	7.1	8.8	3.6	1558	22.4
12/19	.0	.0	.0	.0	.2	.6	1.9	1.0	261	3.7
01/04	.0	.0	.0	.0	.0	.0	.1	.1	15	.2
TOTAL	0	1	21	169	946	2592	2428	806	4963	100.0
PCT	.0	.0	.3	2.4	13.6	37.2	34.9	11.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
05/00	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
06/04	.1	.0	.0	.0	.0	.0	.0	.2	.0	.0
08/09	.6	.3	.0	.2	.2	.1	.4	1.5	.0	.1
09/04	5.0	1.1	1.3	1.7	1.1	1.1	3.1	12.1	.0	1.5
10/09	9.2	1.9	1.1	.6	.6	.7	4.2	22.1	.0	1.4
11/14	5.4	.7	.1	.3	.2	.3	1.5	13.3	.0	.5
12/19	1.1	.1	.0	.0	.0	.0	.2	2.1	.0	.1
01/04	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
TOTAL	21.5	4.2	2.6	2.8	2.2	2.3	9.4	51.6	.0	3.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	97	90	85	79	71	67	61	78.6	2226
0600Z	84	83	82	76	69	64	62	76.0	1948
1201Z	92	83	81	75	68	65	61	76.2	2030
1802Z	95	88	86	79	72	69	62	78.8	2532
TOT	97	88	84	77	70	66	61	77.3	8744

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-49	50-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	3.9	16.7	42.9	28.5	8.0	77	1031
0600Z	.0	1.2	6.9	32.7	43.2	16.0	61	1630
1201Z	.0	1.1	7.3	29.7	44.1	17.0	82	1615
1802Z	.0	4.3	21.7	42.1	26.2	6.4	75	1987
TOT	0	105	655	2634	2458	821	78	7043

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PERIOD: (PRIMARY) 1964-1979
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TABLE 17

PCT FREQ OF 1/4 TEMPERATURE (10G F) AND THE OCCURRENCE OF FOG (1010LT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93	TOT	n FGC	NO FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.1	.0	.0	8	.0	.1
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.1	15	.0	.2
11/13	.0	.0	.0	.0	.1	.1	.1	.1	.1	42	.0	.6
8/10	.0	.0	.0	.0	.1	.2	.2	.1	.0	47	.0	.7
7/8	.0	.0	.0	.2	.3	.4	.3	.1	.0	106	.0	1.0
6	.0	.0	.0	.2	.3	.7	.2	.1	.0	73	.0	1.0
5	.0	.0	.1	.4	.5	.6	.4	.1	.0	156	.0	2.1
4	.0	.0	.1	.4	.6	1.2	.3	.0	.0	284	.0	2.7
3	.0	.0	.2	.5	1.1	1.0	.3	.0	.0	237	.0	3.1
2	.0	.1	.3	.9	1.0	2.5	.5	.0	.0	451	.0	6.0
1	.0	.0	.4	1.1	2.1	2.1	.3	.0	.0	452	.0	6.0
0	.0	.1	.9	2.2	4.0	3.6	.3	.0	.0	851	.1	11.3
-1	.0	.1	.8	2.5	3.0	2.1	.2	.0	.0	772	.0	9.7
-2	.0	.0	1.1	3.3	5.1	2.5	.1	.0	.0	935	.1	12.5
-3	.0	.5	1.1	2.8	3.9	1.4	.0	.0	.0	710	.0	9.5
-4	.0	.1	2	1.2	3.5	1.9	.0	.0	.0	735	.1	9.9
-5	.0	.2	1.4	3.1	2.7	.4	.0	.0	.0	595	.0	8.0
-6	.0	.1	1.0	2.3	1.6	.1	.0	.0	.0	380	.0	5.1
-7/-8	.0	.3	1.4	2.7	1.5	.1	.0	.0	.0	447	.0	6.0
-9/-10	.0	.2	1.0	1.2	.3	.0	.0	.0	.0	207	.0	2.8
-11/-13	.1	.1	.4	.3	.0	.0	.0	.0	.0	66	.0	.9
-14/-16	.0	.0	.1	.0	.0	.0	.0	.0	.0	9	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
-20/-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	24	157	850	2061	2567	1506	41	15		7461	10	7431
PCT	.3	2.1	11.4	27.6	44.4	20.2	3.2	.5	.2	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.3	.1	.0	.0	.0	2.0	.2	.6	.0	.0	.0	.0	.0
1-2	.3	6.8	1.8	.0	.0	.0	8.9	.1	1.1	.7	.0	.0	.0	1.9
3-4	.1	3.3	1.1	.2	.0	.0	6.6	.0	.5	.5	.1	.0	.0	1.1
5-6	.0	.6	2.3	.1	.0	.0	3.0	.0	.1	.2	.0	.0	.0	.3
7	.1	.8	.1	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.1
8-9	.0	.0	.7	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	12.2	4.4	.4	.0	.0	22.0	.3	2.3	1.0	.1	.0	.0	3.7

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.4	.0	.0	.0	.0	.6	.1	.3	.0	.0	.0	.0	.4
1-2	.0	.6	.1	.0	.0	.0	.7	.1	.3	.1	.0	.0	.0	.5
3-4	.0	.3	.5	.0	.0	.0	.8	.0	.3	.2	.0	.0	.0	.5
5-6	.0	.1	.1	.2	.0	.0	.4	.0	.1	.4	.0	.0	.0	.6
7	.0	.0	.0	.1	.0	.0	.2	.0	.1	.2	.0	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.4	.8	.3	.0	.0	2.8	.2	1.1	1.0	.7	.0	.0	2.6

PERIOD: (OVER-ALL) 1963-1979

OCTOBER

AREA 00C2 SOUTHWEST BAJA
23.3N 111.6W

TABLE 1A (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	.0	.0	.0	.0	.6	.4	.4	.0	.0	.0	.0	.9
1-2	.0	.5	.1	.0	.0	.0	.6	.1	.7	.2	.0	.0	.0	1.0
3-4	.0	.4	.2	.0	.0	.0	.6	.0	.4	.1	.0	.0	.0	.4
5-6	.1	.1	.2	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.4	.5	.2	.0	.0	2.5	.5	1.5	.3	.0	.0	.0	2.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.2	1.4	.0	.0	.0	.0	1.7	.9	3.0	.2	.0	.0	.0	4.2	
1-2	.7	3.4	.5	.0	.0	.0	4.7	.9	13.3	4.8	.0	.0	.0	19.0	
3-4	.0	1.4	.6	.0	.0	.0	1.9	.3	7.6	9.0	.3	.0	.0	17.3	
5-6	.0	.1	.4	.0	.0	.0	.5	.0	1.6	5.9	.2	.0	.0	7.7	
7	.0	.1	.2	.0	.0	.0	.3	.0	.3	1.7	.1	.0	.0	2.1	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.3	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.0	6.4	1.7	.1	.0	.0	9.1	2.2	26.0	21.9	.7	.0	.0	50.8	95.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	7.6	7.9	.4	.0	.0	.0	15.9	085
1-2	2.5	26.6	7.6	.0	.0	.0	36.6	
3-4	.5	14.0	13.9	.5	.0	.0	28.9	
5-6	.2	2.7	9.4	.6	.0	.0	13.0	
7	.0	.6	3.0	.4	.0	.0	4.1	
8-9	.0	.1	.5	.1	.0	.0	.6	
10-11	.0	.0	.1	.2	.0	.0	.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.8	52.0	35.1	2.0	.0	.1	100.0	2184

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.3	16.5	10.6	8.2	2.7	.6	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3121	3
6-7	.1	2.3	8.1	8.0	3.3	1.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1468	5
8-9	.0	.0	2.5	3.4	2.2	.9	.6	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	676	6
10-11	.0	.0	1.2	.9	.7	.4	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	276	6
12-13	.0	.0	.4	.4	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	101	6
13	.0	.0	.0	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	67	7
140ET	3.0	1.4	1.7	1.1	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	693	2
TOTAL	397	1342	2010	1381	631	209	132	32	33	9	5	2	0	1	0	0	0	0	0	6184	6
PCT	6.4	21.7	32.5	22.3	10.2	3.4	2.1	.5	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1861-1979

NOVEMBER

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY DUST BLUG SNOW	NC SIG WEA
N	.3	.1	.1	.0	.0	.0	.0	.5	.4	.1	.2	.0	.4	.0	98.4
NE	.2	.3	.2	.0	.0	.0	.0	.7	.8	.2	.5	.0	1.1	.0	96.8
E	.5	.5	.5	.0	.0	.0	.0	1.0	.5	.4	.7	.0	.4	.0	97.0
SE	.9	.9	.9	.0	.0	.0	.0	2.7	.7	.0	.0	.0	1.8	.9	96.3
S	.0	.0	1.2	.0	.0	.0	.0	1.2	.9	.0	.0	.0	.0	.9	98.9
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.2	95.6
W	.2	.2	.0	.0	.0	.0	.0	.4	.4	.1	.6	.0	.5	.0	98.1
NW	.1	.0	.1	.0	.0	.0	.0	.2	.1	.1	.4	.0	1.1	.0	98.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3	.0	.0	.0	.0	.0	.0	.3	.0	.3	.3	.0	7.0	.0	97.1
TOT PCT	.2	.1	.1	.0	.0	.0	.0	.4	.3	.1	.4	.0	.8	.0	97.9
TOT OBS:	7424														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY DUST BLUG SNOW	NC SIG WEA
00003	.1	.3	.2	.0	.0	.0	.0	.5	.3	.1	.5	.0	1.0	.1	97.7
06009	.4	.2	.1	.0	.0	.0	.0	.6	.4	.2	.3	.0	.8	.1	97.7
12015	.2	.1	.1	.0	.0	.0	.0	.4	.1	.3	.6	.1	.6	.0	97.9
18021	.1	.0	.1	.0	.0	.0	.0	.3	.4	.0	.5	.0	1.0	.0	97.8
TOT PCT	.2	.1	.1	.0	.0	.0	.0	.5	.3	.1	.5	.0	.9	.0	97.8
TOT OBS:	7534														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-31	34-47	48+	00				03	06	09	12	15	18	21	
N	1.9	16.8	10.0	.4	.0	.0		29.1	9.9	22.8	21.9	26.0	18.5	31.4	27.6	34.6	29.9	
NE	1.0	5.6	2.0	.2	.0	.0		8.9	9.0	5.5	8.6	7.5	7.8	9.2	13.0	12.2	9.3	
E	.6	1.6	.5	.0	.0	.0		2.7	7.7	2.1	2.5	2.2	.0	3.2	3.0	3.3	4.2	
SE	.4	.9	.2	.0	.0	.0		1.5	6.4	1.4	.6	2.0	.0	1.1	.9	1.6	2.2	
S	.3	.6	.2	.0	.0	.0		1.1	6.5	1.2	.0	1.3	.0	.6	1.6	1.2	.7	
SW	.4	1.0	.2	.0	.0	.0		1.7	6.4	2.5	1.9	1.2	2.5	1.6	4.1	1.1	2.0	
W	1.1	5.0	1.3	.0	.0	.0		7.6	7.5	12.3	7.0	8.0	19.3	4.4	7.5	5.1	5.8	
NW	2.8	23.7	15.9	.6	.0	.0		43.0	10.0	49.7	50.0	44.3	43.0	43.2	38.6	36.1	43.6	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	4.6							4.6	.0	2.7	7.5	5.4	6.0	5.4	3.7	4.9	2.2	
TOT OBS	1053	4470	2460	106	6	0	8095		9.0	1922	160	1693	100	1618	218	2251	137	
TOT PCT	13.0	55.2	30.4	1.3	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	8.2	18.4	2.4	.0	.0	29.1	9.9	22.7	27.4	31.0	34.3	
NE	3.4	4.7	.7	.1	.0	8.9	9.0	5.7	7.6	9.6	12.0	
E	1.4	1.2	.1	.0	.0	2.7	7.7	2.1	2.1	3.1	3.3	
SE	.9	.6	.0	.0	.0	1.5	6.4	1.3	1.9	1.0	1.6	
S	.7	.4	.0	.0	.0	1.1	6.5	1.1	1.4	.7	1.1	
SW	1.1	.5	.0	.0	.0	1.7	6.4	2.4	1.3	1.9	1.2	
W	3.6	3.8	.2	.0	.0	7.6	7.5	11.9	8.6	4.7	5.1	
NW	11.8	27.6	3.6	.1	.0	43.0	10.0	49.7	44.2	42.7	36.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	4.6					4.6	.0	3.0	5.5	5.2	4.8	
TOT OBS	2874	4620	571	18	2	8095		2082	1793	1832	2388	
TOT PCT	35.6	57.1	7.1	.2	.0	100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1861-1979

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				NN	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	3.0	7.4	55.5	32.6	1.4	.0	.0	.0	9.4	100.0	2082
06009	5.5	7.4	54.9	30.8	1.4	.1	.0	.0	9.1	100.0	1793
12015	5.2	8.4	56.3	29.2	.9	.1	.0	.0	8.8	100.0	1832
18021	4.8	10.2	54.4	29.0	1.5	.2	.0	.0	8.8	100.0	2388
TOT	370	683	4470	2460	106	4	0	0	9.0		8095
PCT	4.6	8.4	55.2	30.4	1.3	.1	.0			100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	15.4	5.5	6.9	2.1		3.0
NE	4.3	1.6	1.9	.5		2.9
E	1.1	.6	.7	.3		3.3
SE	.8	.2	.4	.2		3.1
S	.5	.2	.3	.1		3.4
SW	.6	.3	.4	.1		3.3
W	4.0	1.2	1.8	.4		2.8
NW	24.5	7.4	9.1	2.5		2.7
VAR	.0	.0	.0	.0		.0
CALM	2.3	.7	.9	.3		2.7
TOT OBS	3306	1089	1378	399	6172	2.8
TOT PCT	53.6	17.6	22.3	6.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NM <5/8	TOTAL
149	299	599	999	1999	3999	4999	6499	7999		ANY HGT	OBS
.1	.0	.1	.9	1.9	1.2	.6	.1	.1	.2	24.7	
.0	.0	.0	.2	.5	.3	.1	.0	.0	.0	7.0	
.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	2.2	
.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	1.2	
.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.9	
.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	1.1	
.1	.0	.0	.2	.5	.4	.0	.1	.0	.1	6.1	
.1	.0	.1	.9	2.5	1.6	.7	.2	.1	.2	37.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	3.5	
22	4	20	157	372	246	99	30	19	32	5170	6172
.4	.1	.3	2.5	6.0	4.0	1.6	.5	.3	.5	83.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
> OR >6500	.9	.9	.9	.9	.9	.9	.9	.9
> OR >5000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
> OR >3500	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0
> OR >2000	6.5	7.0	7.0	7.0	7.0	7.0	7.0	7.0
> OR >1000	12.1	12.9	13.0	13.0	13.0	13.0	13.0	13.0
> OR >600	14.4	15.4	15.5	15.5	15.5	15.5	15.6	15.6
> OR >300	14.6	15.7	15.9	15.9	15.9	15.9	15.9	15.9
> OR >150	14.7	15.7	15.9	15.9	15.9	15.9	15.9	15.9
> OR >0	15.0	16.1	16.3	16.3	16.3	16.3	16.3	16.3
TOTAL	970	999	1012	1012	1012	1012	1013	1013

TOTAL NUMBER OF OBS: 6214

PCT FREQ NM <5/8: 83.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
37.0	17.2	13.9	9.3	6.2	4.2	4.4	4.0	3.5	.2	6476

PERIOD: (PRIMARY) 1952-1979
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	
	TOT %	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	1.4	.5	.2	.1	.0	.1	.3	2.3	.0	.3	5.3	
	TOT %	1.4	.5	.2	.1	.0	.1	.3	2.3	.0	.3	5.3	
10+	PCP	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	.3	
	NO PCP	27.6	7.6	2.4	1.3	1.0	1.5	7.2	41.3	.0	3.8	94.0	
	TOT %	27.7	7.6	2.4	1.3	1.1	1.5	7.2	41.4	.0	3.8	94.3	
TOT OBS													7306
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.1	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	
	11-21	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.1	.1	.0	.0	.1	.0	.3	.0	.3	.0	
	4-10	.0	.1	.1	.1	.0	.1	.2	1.1	.0	.0	.0	
	11-21	.5	.1	.1	.0	.0	.0	.1	.7	.0	.0	.0	
	22+	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	0-3	1.7	.0	.0	.0	.3	.0	1.1	2.4	.0	.1	11.5	
	4-10	15.0	5.0	1.5	.0	.6	1.0	4.9	22.5	.0	.0	52.0	
	11-21	9.6	2.0	.4	.1	.1	.2	1.3	15.8	.0	.0	24.3	
	22+	.0	.2	.0	.0	.0	.0	.0	.6	.0	.0	1.3	
TOT OBS													7735
TOT PCT													100.0

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PERIOD: (PRIMARY) 1962-1979
(OVER-ALL) 1861-1979

AREA 0002 SOUTHWEST 00.0
75.04 111.60

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM (5/0) BY HOUR

HOUR (GMT)	000 100	150 200	300 500	600 900	1000 1000	2000 1000	3500 6000	5000 6000	6500 7000	8000+	TOTAL	NM (5/0) BY HOUR	TOTAL OBS
00001	.2	.0	.4	2.3	5.2	3.9	1.8	.6	.4	1.0	15.7	04.3	1707
06009	.4	.0	.3	2.2	5.4	3.7	1.2	.5	.3	.3	14.5	05.5	1475
12015	.4	.2	.2	2.7	6.5	3.7	1.5	.1	.4	.3	16.0	04.7	1363
18021	.4	.1	.3	2.7	6.2	4.1	1.6	.6	.3	.5	16.0	03.2	1009
TOT	22	4	70	160	375	250	100	70	21	34	1017	5017	6676
PCT	.3	.1	.3	2.5	5.0	3.9	1.6	.5	.3	.5	15.0	04.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY INMI BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00001	.2	.0	.1	.3	4.9	94.5	2030
06009	.0	.0	.1	.0	5.4	93.7	1771
12015	.0	.0	.2	.0	6.8	92.5	1795
18021	.1	.0	.0	.3	6.9	90.7	2250
TOT	7	0	7	43	420	7369	7646
PCT	.1	.0	.1	.5	5.4	93.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (FT) AND/OR
CEILING HGT (FEET, NM) 30/01 BY HOUR

HOUR (GMT)	<150 <1000	<100 1-1	<1000 1-2	<1000 1-5	NM (5/0) BY HOUR	TOTAL OBS
00001	.3	.7	3.7	11.0	13.7	1659
06009	.4	.0	3.0	11.0	14.4	1475
12015	.4	.0	4.0	12.7	15.3	1720
18021	.4	.0	3.4	11.0	12.6	1034
TOT	27	50	270	700	5108	6216
PCT	.4	.0	3.7	12.0	83.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	0	0	0	.0	.0	.0	.0	6	.1
85/89	.7	0	0	.7	.1	.2	.1	0	56	.9
80/84	.0	.0	.1	.7	2.9	3.3	.0	.7	690	6.0
75/79	.0	0	.2	2.2	10.1	14.4	11.1	2.3	2202	36.9
70/74	.0	0	.1	2.2	10.1	14.4	11.1	3.7	2603	61.9
65/69	.0	.0	.1	.6	1.9	3.7	1.2	.0	692	11.1
60/64	.0	.0	.0	0	.3	.3	.1	.1	60	1.1
55/59	.0	.0	.0	.0	0	.0	.0	.0	1	0
TOTAL	0	7	55	176	1192	2412	1500	472	6212	100.0
PCT	.0	.1	.9	6.1	22.4	39.0	24.1	7.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	WSW	WSW
90/94	.0	0	.0	.0	.0	.0	0	.0	.0	.0
85/89	.1	.1	0	0	0	0	.1	.5	.0	0
80/84	1.0	.0	.3	.3	.1	.2	.0	1.2	.0	.1
75/79	4.0	1.3	1.2	.7	.5	.7	3.1	15.7	.0	1.9
70/74	13.4	3.3	1.0	.5	.4	.5	2.7	18.5	.0	1.7
65/69	4.0	1.0	.2	.1	0	.1	.4	5.0	.0	.7
60/64	.4	0	0	0	0	.0	.0	.5	.0	0
55/59	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	29.9	6.5	2.7	1.5	1.1	1.5	7.1	43.5	.0	4.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	998	954	508	58	18	MIN	MEAN	TOTAL OBS
00001	91	86	87	75	68	64	60	75.5	7082
06009	91	80	79	77	67	64	61	77.1	1808
12015	87	80	78	72	66	64	60	72.2	1655
18021	92	85	87	74	68	64	59	74.0	2360
TOT	97	84	81	74	67	64	59	74.2	9113

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00001	.0	0.3	26.0	42.1	17.0	5.6	7.3	16.24		
06009	.0	0.7	19.4	37.8	30.7	9.9	7.7	16.57		
12015	.0	3.2	16.0	37.3	30.5	10.9	7.0	16.10		
18021	.0	0.6	30.2	38.1	17.2	6.9	7.2	17.63		
TOT	0	4.94	16.17	26.69	15.22	6.77	7.5	67.67		

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PERIOD: (PRIMARY) 1952-1976
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOLT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	n FOG	NO FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
14/16	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	12	.0	.2
11/13	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	30	.0	.4
9/10	.0	.0	.0	.0	.1	.2	.1	.1	.0	.0	34	.0	.5
7/8	.0	.0	.0	.1	.1	.2	.1	.1	.0	.0	85	.0	1.2
6	.0	.0	.0	.1	.2	.1	.2	.1	.0	.0	58	.0	.9
5	.0	.0	.0	.2	.5	.6	.4	.1	.0	.0	129	.1	1.9
4	.0	.0	.0	.3	.7	1.0	.6	.1	.0	.0	102	.0	2.6
3	.0	.0	.0	.4	.9	1.0	.3	.0	.0	.0	181	.1	2.6
2	.0	.0	.1	1.0	1.5	1.0	.4	.1	.0	.0	337	.1	6.9
1	.0	.0	.1	.7	1.9	1.8	.5	.0	.0	.0	391	.0	9.0
0	.0	.1	.4	1.5	3.2	3.3	.7	.0	.0	.0	625	.1	9.1
-1	.0	.0	.3	1.4	3.6	2.8	.4	.0	.0	.0	576	.0	6.4
-2	.0	.1	.7	2.4	5.2	3.3	.9	.0	.0	.0	821	.0	12.0
-3	.0	.1	.7	2.6	4.9	1.8	.1	.0	.0	.0	665	.0	9.7
-4	.0	.1	1.0	3.2	4.9	2.1	.1	.0	.0	.0	779	.0	11.4
-5	.0	.2	.7	3.4	3.8	1.3	.0	.0	.0	.0	603	.0	9.4
-6	.0	.1	.7	2.9	2.3	.4	.0	.0	.0	.0	438	.0	6.4
-7/-8	.0	.1	1.4	3.6	2.5	.3	.0	.0	.0	.0	538	.0	7.9
-9/-10	.0	.1	.9	1.6	.9	.0	.0	.0	.0	.0	217	.0	3.5
-11/-13	.0	.1	.4	.5	.1	.0	.0	.0	.0	.0	82	.0	1.2
-14/-16	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	16	.0	.2
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	5	516	516	2534	316	316	59	2	0	0	6014	.5	6780
PCT	.1	1.1	1.0	26.0	37.2	22.3	9.6	.9	.1	0	100.0	.5	99.5

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HEG	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
0-1	.0	2.2	.1	.0	.0	.0	2.9	.4	.8	.0	.0	.0	.0	1.2
1-2	.0	9.9	1.2	.0	.0	.0	12.9	.3	2.1	.0	.0	.0	.0	3.2
3-4	.0	4.9	4.7	.1	.0	.0	9.8	.2	1.4	1.0	.0	.0	.0	2.6
5-6	.0	.8	1.5	.1	.0	.0	4.5	.0	.2	.7	.1	.0	.0	.9
7	.0	.1	.9	.2	.0	.0	1.0	.0	.0	.3	.1	.0	.0	.4
8-9	.0	.1	.2	.0	.0	.0	.3	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	17.0	17.0	.4	.0	.0	31.4	.8	6.7	2.6	.9	.0	.0	8.4

HEG	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
0-1	.1	.4	.1	.0	.0	.0	.7	.1	.4	.0	.0	.0	.0	.5
1-2	.1	.7	.0	.0	.0	.0	1.1	.1	.4	.1	.0	.0	.0	.6
3-4	.0	.5	.1	.0	.0	.0	.6	.0	.1	.1	.0	.0	.0	.1
5-6	.0	.0	.7	.0	.0	.0	.7	.0	.7	.1	.0	.0	.0	.3
7	.0	.0	.1	.1	.0	.0	.1	.0	.6	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.6	.8	.1	.0	.0	2.6	.2	1.3	.6	.0	.0	.0	1.9

PERIOD: (OVER-ALL) 1963-1979

NOVEMBER

ARFA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S								SW								PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.2	.1	.0	.0	.0	.0	.2		.2	.2	.0	.0	.0	.0	.0	.4	
1-2	.0	.4	.0	.0	.0	.0	.5		.0	.6	.1	.0	.0	.0	.0	.7	
3-4	.0	.1	.0	.0	.0	.0	.1		.0	.1	.1	.0	.0	.0	.0	.1	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.1	.1	.0	.0	.0	.0	.1	
7	.0	.0	.1	.0	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.2	.6	.1	.0	.0	.0	1.0		.2	.9	.2	.0	.0	.0	.0	1.4	

HGT	W								NW								PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT			
<1	.5	.9	.1	.0	.0	.0	1.4		.9	2.7	.7	.0	.0	.0	.0	3.6		
1-2	.4	2.3	.3	.0	.0	.0	3.0		.9	11.0	3.6	.0	.0	.0	.0	15.7		
3-4	.1	1.0	.5	.0	.0	.0	1.6		.1	7.3	8.7	.2	.0	.0	.0	15.9		
5-6	.1	.2	.2	.0	.0	.0	.4		.0	1.1	4.7	.1	.0	.0	.0	5.9		
7	.0	.0	.0	.0	.0	.0	.0		.0	.2	.9	.2	.0	.0	.0	1.4		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.3	.1	.0	.0	.0	.4		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.1	.0	.0	.0	.1		
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.1	.0	.0	.0	.0	.1		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.1	.0	.0	.0	.0	.1		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
TOT PCT	1.0	4.5	1.1	.0	.0	.0	6.6		1.9	22.6	14.3	.6	.0	.0	.0	43.5	97.2	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	0.1	7.7	.4	.0	.0	.0	10.2	
1-2	2.1	27.4	6.4	.0	.0	.0	36.0	
3-4	.6	15.3	14.8	.3	.0	.0	30.9	
5-6	.1	2.6	9.3	.3	.0	.0	12.3	
7	.0	.3	2.0	.5	.0	.0	2.9	
8-9	.0	.1	.5	.2	.0	.0	.8	
10-11	.0	.0	.1	.1	.0	.0	.2	
12	.0	.0	.1	.1	.0	.0	.3	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	9.0	53.9	35.7	1.4	.0	.0	100.0	1864

PERIOD: (OVER-ALL) 1960-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.3	19.7	19.0	7.5	2.0	.7	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2964	3
6-7	.2	2.4	7.6	7.1	2.8	1.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1195	4
8-9	.1	.0	3.0	2.8	1.4	.9	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	922	5
10-11	.0	.0	1.1	.9	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	711	5
12-13	.0	.0	.4	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	89	6
13-14	.0	.0	.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	90	7
10007	.2	1.4	1.3	.9	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	455	7
TOTAL	480	1304	1706	1107	300	141	77	30	14	10	0	0	0	0	0	0	0	0	0	5406	4
PCT	0.7	25.2	22.7	20.2	7.1	3.3	1.4	.5	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1960-1979

DECEMBER

AREA 0002 SOUTHWEST BAJA
23.3N 111.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW PCPN	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG		
N	.3	.2	.3	.0	.0	.0	.0	.7	.4	.0	.1	.0	.5	.0	.0	98.2	
NE	1.4	.3	1.0	.0	.0	.0	.0	2.6	1.1	.2	.1	.0	.3	.0	.0	95.6	
E	5.0	.8	1.6	.0	.0	.0	.0	7.0	1.5	1.1	.3	.0	.2	.2	.0	89.7	
SE	3.1	3.6	1.8	.0	.0	.0	.0	8.5	5.2	.1	.0	.0	.7	.0	.0	85.5	
S	4.4	4.2	.9	.0	.0	.0	.0	9.6	2.2	.0	.0	.0	4.0	.0	.0	84.2	
SW	.0	.8	1.3	.0	.0	.0	.0	2.1	1.0	.8	.0	.0	1.1	.0	.0	98.2	
W	.8	.2	.2	.0	.0	.0	.0	1.5	1.3	.8	.0	.0	1.1	.0	.0	95.8	
NW	.4	.1	.2	.0	.0	.0	.0	.7	.5	.1	.3	.0	.5	.0	.0	98.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.6	.0	.0	.0	.0	.0	1.2	.6	.0	.6	.0	3.7	.0	.0	93.8	
TOT PCT	.9	.4	.5	.0	.0	.0	.0	1.7	.8	.2	.2	.0	.7	.0	.0	96.3	
TOT OBS:	6595																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW PCPN	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG		
0600Z	1.0	.4	.5	.0	.0	.0	.0	1.4	.7	.1	.2	.0	.9	.0	.0	96.2	
0600Z	.7	.4	.3	.0	.0	.0	.0	1.3	1.0	.3	.0	.0	.5	.0	.0	96.8	
1201Z	.9	.3	.9	.0	.0	.0	.0	2.0	.7	.3	.3	.0	.7	.0	.0	96.1	
1802Z	.4	.6	.4	.0	.0	.0	.0	1.7	.9	.1	.3	.0	.8	.1	.0	96.3	
TOT PCT	.9	.4	.5	.0	.0	.0	.0	1.7	.8	.2	.2	.0	.7	.0	.0	96.3	
TOT OBS:	6734																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)									
	0-3	4-10	11-21	22-31	34-47	48+					00	03	06	09	12	15	18	21		
N	2.6	10.0	10.3	.5	.1	.0		31.4	9.8		25.0	24.7	30.1	25.8	35.1	29.6	36.1	31.0		
NE	1.2	7.5	8.0	.2	.0	.0		12.9	9.5		9.1	10.2	10.8	8.8	12.5	17.0	18.0	15.5		
E	.6	3.5	1.1	.0	.0	.0		5.3	8.4		4.3	2.0	5.7	5.1	4.5	5.4	6.7	4.5		
SE	.0	1.6	.0	.1	.0	.0		2.5	7.8		2.4	1.6	2.6	5.1	2.0	3.7	2.8	3.5		
S	.4	1.1	.2	.0	.0	.0		1.7	7.1		1.8	3.3	1.7	1.1	1.7	1.3	1.4	1.5		
SW	.3	1.0	.3	.0	.0	.0		2.3	7.5		3.4	3.3	2.2	1.1	1.8	1.3	2.0	3.0		
W	.4	4.3	1.1	.0	.0	.0		6.2	7.9		10.2	4.9	6.0	11.0	4.2	4.2	4.6	3.3		
NW	2.4	18.4	10.9	.1	.0	.0		32.6	9.8		39.0	44.7	34.4	41.6	32.5	33.7	24.4	36.8		
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
CALM	5.0							5.0	.0		4.8	5.7	6.4	4.5	5.7	3.8	4.0	1.0		
TOT OBS	986	4047	2037	101	11	0	7188	8.9			1727	172	1536	80	1447	158	2016	100		
TOT PCT	13.7	56.1	29.3	1.4	.2	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TABLE 3a

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)									
	0-6	7-16	17-27	28-46	47+						00	03	06	09	12	15	18	21		
N	9.9	10.6	2.8	.1	.0			31.4	9.8		25.0	24.8	30.6	25.8	35.1	29.6	36.1	31.0		
NE	4.3	7.3	1.2	.1	.0			12.9	9.5		9.2	10.5	12.9	8.8	12.5	17.0	18.0	15.5		
E	2.3	2.8	.2	.1	.0			5.3	8.4		4.2	5.7	4.6	5.4	6.7	4.5	6.6			
SE	1.2	1.1	.1	.0	.0			2.5	7.8		2.3	2.8	2.2	2.8						
S	1.0	.6	.1	.0	.0			1.7	7.1		1.9	3.3	1.7	1.1	1.7	1.3	1.4	1.5		
SW	1.3	1.0	.3	.0	.0			2.3	7.5		3.4	3.3	2.2	1.1	1.8	1.3	2.0	3.0		
W	3.0	2.8	.3	.0	.0			6.2	7.9		10.2	4.9	6.0	11.0	4.2	4.2	4.6	3.3		
NW	9.3	20.5	2.6	.1	.0			32.6	9.8		39.0	44.7	34.4	41.6	32.5	33.7	24.4	36.8		
VAR	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
CALM	5.0							5.0	.0		4.8	5.7	6.4	4.5	5.7	3.8	4.0	1.0		
TOT OBS	2694	7939	536	32	0	7189		8.9			1844	1825	1601	2116						
TOT PCT	37.3	46.8	7.4	.4	.0			100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

DECEMBER

PERIOD: (PRIMARY) 1954-1979
(COVER-ALL) 1860-1979

AREA 0002 SOUTHWEST BAJA
23.3N 111.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)							PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+	MEAN		
0000	4.8	9.7	55.4	28.4	1.6	.2	.0	8.9	100.0	1844
0600	6.3	8.1	56.1	28.0	1.4	.1	.0	8.8	100.0	1625
1200	5.6	7.2	56.1	28.1	.9	.1	.0	8.8	100.0	1603
1800	5.8	9.4	56.0	28.7	1.9	.1	.0	9.1	100.0	2116
TOT	36.2	42.4	404.7	203.7	10.7	1.1	.0	8.9		7188
PCT	5.0	8.7	56.3	28.3	1.5	.2	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	15.7	4.6	7.5	3.5		3.2
NE	5.6	2.0	3.2	2.2		3.7
E	1.8	.8	1.7	1.1		4.3
SE	.7	.5	.7	.6		4.6
S	.5	.3	.4	.4		4.4
SW	.8	.4	.9	.3		4.0
W	2.6	1.2	1.9	.9		3.6
NW	15.9	5.7	7.9	3.2		3.1
VAR	.0	.0	.0	.0		.0
CALM	2.6	.5	1.1	.8		3.1
TOT OBS	2534	867	1374	707	5483	3.4
TOT PCT	46.2	15.8	25.1	12.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <4/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSD	TOTAL OBS	MEAN	NOG 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NM <5/8 ANY HGT	TOTAL OBS
						CLOUD COVER												
N	15.7	4.6	7.5	3.5	3.2	.1	.0	.1	1.3	2.3	1.1	.7	.2	.3	.2	24.9		
NE	5.6	2.0	3.2	2.2	3.7	.1	.0	.1	.7	1.1	.6	.2	.1	.1	.0	.0	9.7	
E	1.8	.8	1.7	1.1	4.3	.0	.0	.1	.5	.5	.4	.2	.1	.0	.0	.1	3.5	
SE	.7	.5	.7	.6	4.6	.0	.0	.0	.2	.3	.1	.1	.0	.0	.0	.0	1.6	
S	.5	.3	.4	.4	4.4	.0	.0	.0	.1	.2	.2	.0	.0	.0	.0	.0	1.1	
SW	.8	.4	.9	.3	4.0	.0	.0	.0	.1	.3	.2	.1	.0	.0	.0	.0	1.0	
W	2.6	1.2	1.4	.8	3.6	.0	.0	.1	.3	.7	.4	.1	.1	.0	.0	.0	4.7	
NW	15.9	5.7	7.9	3.2	3.1	.1	.1	.2	1.2	2.7	1.7	.7	.2	.1	.2	.1	25.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.6	.5	1.1	.8	3.1	.1	.0	.0	.2	.4	.2	.2	.0	.0	.0	.0	3.8	
TOT OBS	2534	867	1374	707	5483	3.4	21	10	32	253	462	275	132	37	28	29	4204	5483
TOT PCT	46.2	15.8	25.1	12.9	100.0		.4	.2	.6	6.6	8.4	5.0	2.4	.7	.5	.5	76.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	< OR >10	< OR >5	< OR >2	< OR >1	< OR >1/2	< OR >1/4	< OR >50YD	< OR >0
< OR >6500	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
< OR >5000	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
< OR >3500	3.9	4.1	4.2	4.2	4.2	4.2	4.2	4.2
< OR >2000	8.5	9.1	9.1	9.1	9.1	9.1	9.1	9.1
< OR >1000	16.3	17.4	17.5	17.5	17.5	17.5	17.5	17.5
< OR >600	20.1	21.9	22.1	22.1	22.1	22.1	22.1	22.1
< OR >300	20.6	22.4	22.7	22.7	22.7	22.7	22.7	22.7
< OR >150	20.7	22.6	22.8	22.8	22.9	22.9	22.9	22.9
< OR >0	21.0	22.9	23.2	23.2	23.2	23.2	23.2	23.3
TOTAL	1170	1277	1293	1294	1295	1296	1297	1298

TOTAL NUMBER OF OBS: 5580

PCT FREQ NM <4/8: 76.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
33.5	19.0	12.1	8.5	7.1	5.4	5.5	5.5	7.1	.3	5838

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1860-1979

DECEMBER

AREA 0002 SOUTHWEST BAJA
23.34 111.66

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	0	0	.0	.0	.0	.0	.0	0	
	NO PCP	0	0	.0	0	.0	.0	0	0	.0	.0	.1	
	TOT %	0	0	.0	.1	0	.0	0	0	.0	.0	.1	
1/2<1	PCP	0	.0	.0	0	.0	.0	.0	.0	.0	.0	0	
	NO PCP	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
	TOT %	0	.0	.0	0	.0	.0	.0	.0	.0	.0	0	
1<2	PCP	.0	0	0	.0	.0	.0	.0	.0	.0	.0	0	
	NO PCP	.0	.0	.0	.0	.0	.0	0	0	.0	0	0	
	TOT %	.0	0	0	.0	.0	.0	0	0	.0	0	.1	
2<5	PCP	0	0	0	0	.0	.0	0	.0	.0	.0	.1	
	NO PCP	.1	.1	0	0	0	0	.1	.1	.0	.0	.3	
	TOT %	.1	.1	.1	.1	0	0	.1	.1	.0	.0	.4	
5<10	PCP	0	.1	.2	0	0	0	0	.1	.0	0	.6	
	NO PCP	1.2	.6	.4	.2	.1	.1	.3	1.2	.0	.3	4.5	
	TOT %	1.2	.7	.6	.3	.1	.1	.4	1.3	.0	.3	5.0	
10+	PCP	.2	.2	.1	.1	.1	0	0	.1	.0	0	.9	
	NO PCP	29.8	11.9	4.5	2.1	1.4	2.2	5.9	31.1	.0	4.5	93.4	
	TOT %	29.9	12.1	4.6	2.2	1.5	2.2	6.0	31.2	.0	4.6	94.3	
TOT OBS													6577
TOT PCT													31.3 12.4 5.3 2.6 1.7 2.4 6.4 32.6 .0 4.9 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	0	.0	.0	0	.0	.0	.0	.0	.0	0	0	
	4-10	0	0	.0	0	0	.0	.0	0	.0	0	.1	
	11-21	0	0	.0	.0	.0	.0	0	0	.0	0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	0	0	.0	.1	0	.0	.0	.1	.0	0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	0	
	11-21	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	0	.0	0	0	0	
	4-10	.0	.0	.0	.0	.0	.0	0	0	.0	0	0	
	11-21	.0	0	0	.0	.0	.0	.0	.0	.0	.0	0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	0	0	.0	.0	.0	0	.0	0	0	.1	
2<5	0-3	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	0	
	4-10	.1	.1	0	.1	0	0	0	0	.0	0	.3	
	11-21	.1	0	0	0	.0	0	0	0	.0	0	.2	
	22+	0	.0	0	0	.0	.0	0	0	.0	0	.1	
	TOT %	.2	.1	.1	.1	0	0	.1	.1	.0	.0	.6	
5<10	0-3	.1	.1	.1	0	0	0	.1	.1	.0	.3	.8	
	4-10	.6	.4	.3	.2	.1	.1	.2	.6	.0	.0	2.4	
	11-21	.4	.2	.2	0	0	0	.1	.5	.0	.0	1.4	
	22+	0	0	0	0	.0	.0	0	.1	.0	.0	.2	
	TOT %	1.2	.7	.6	.3	.1	.2	.3	1.2	.0	.3	4.9	
10+	0-3	2.4	1.0	.5	.4	.4	.3	.7	2.2	.0	4.6	12.5	
	4-10	17.0	6.8	3.1	1.4	1.0	1.6	4.1	16.2	.0	4.6	53.3	
	11-21	9.9	3.8	.9	.4	.2	.3	1.0	10.6	.0	4.6	27.1	
	22+	.4	.2	0	0	0	0	0	.4	.0	4.6	1.4	
	TOT %	29.9	11.9	4.6	2.2	1.6	2.2	5.9	31.5	.0	4.6	94.2	
TOT OBS													6900
TOT PCT													31.3 12.7 5.2 2.6 1.7 2.4 6.3 32.8 .0 4.9 100.0

DECEMBER

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1900-1979

AREA 0002 SOUTHWEST SAJA
23.34 111.64

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR	000	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	TOTAL	NM <5/8	TOTAL
(GMT)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	
0000	.2	.1	.7	4.6	7.0	4.6	2.9	.9	.5	.5	22.9	77.1	1536														
0600	.2	.3	.6	3.6	6.6	4.3	1.5	.3	.5	.8	19.9	81.1	1320														
1200	.8	.1	.4	4.4	9.3	5.2	1.5	.6	.6	.4	23.2	76.8	1194														
1800	.4	.2	.5	5.1	8.8	5.2	3.1	.4	.5	.5	26.0	75.0	1700														
TOT	21	10	33	258	476	278	135	34	29	30	1303	4448	5751														
PCT	.4	.2	.6	4.5	8.2	4.8	2.3	.7	.5	.5	22.7	77.1	100.0														

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL	OBS
0000	.2	.1	.1	.8	3.4	95.0	1014	
0600	.1	.1	.0	.7	5.6	93.6	1630	
1200	.1	.0	.1	.3	6.7	92.6	1572	
1800	.3	.0	.0	.5	4.0	95.1	2025	
TOT	15	4	5	41	306	6630	7041	
PCT	.2	.1	.1	.6	4.9	94.2	100.0	

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NM) >4/81, BY HOUR

HOUR (GMT)	<150	150-400	400-1000	1000+	NM <5/8	TOTAL
0000	.3	1.3	6.1	17.4	76.3	1496
0600	.2	1.3	5.2	14.4	80.2	1271
1200	.8	1.3	6.0	14.0	76.0	1158
1800	.4	1.1	6.8	14.0	74.3	1495
TOT	23	69	379	971	4270	5580
PCT	.4	1.2	6.1	17.4	76.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	D-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PCT
05/09	.0	.0	.0	.1	.0	.0	.0	.0	10	.2
06/06	.0	.1	.0	.4	.6	.4	.3	.0	99	1.8
75/79	.0	.0	.1	1.6	3.3	5.3	1.9	.0	733	13.2
76/74	.0	.0	.5	3.9	13.2	15.6	10.7	5.5	2610	47.0
65/69	.0	.0	.1	2.9	7.4	10.1	8.7	3.0	1795	32.3
60/66	.0	.0	.1	.5	1.4	1.6	1.2	.6	297	5.3
55/59	.0	.0	.0	.1	.1	.0	.0	.0	12	.2
50/54	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
TOTAL	1	7	74	511	1406	1843	1247	428	5557	100.0
PCT	.0	.1	1.3	9.2	26.0	33.2	22.4	7.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
05/09	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
06/06	.5	.2	.2	.1	.0	.0	.1	.5	.0	.1
75/79	3.5	1.0	1.0	.4	.3	.5	.9	3.0	.0	.9
76/74	14.5	6.3	2.7	1.2	.8	1.2	3.3	14.6	.0	2.4
65/69	11.2	4.0	1.1	.4	.4	.7	1.8	11.3	.0	1.5
60/66	1.8	.7	.2	.1	.1	.0	.2	2.2	.0	.1
55/59	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0
50/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	31.6	13.2	5.2	2.2	1.6	2.4	6.3	32.6	.0	4.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
0000	88	82	79	72	65	62	59	71.8	1859
0600	89	78	74	70	64	61	56	69.9	1657
1200	80	77	74	69	61	60	57	69.0	1627
1800	88	82	78	72	65	62	58	71.7	2140
TOT	89	81	77	71	64	61	56	70.7	7283

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	D-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
0000	.0	14.8	28.0	13.7	17.0	6.9	7.2	1444		
0600	.0	7.5	21.1	33.8	27.6	10.0	7.5	1353		
1200	.0	5.2	22.6	32.5	29.5	10.1	7.6	1292		
1800	.1	13.9	30.9	33.0	17.5	9.1	7.1	1637		
TOT	1	608	1464	1881	1273	605	73	5676		

DECEMBER

PERIOD: (PRI-MART) 1958-1979
(OVER-ALL) 1960-1979

AREA 0002 SOUTHWEST BAJA
23.5N 111.6W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	53	57	61	65	69	73	77	81	85	TOT	N FOG	NO FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	.0	.1
11/13	.0	.0	.0	.0	.0	.2	.1	.1	.0	27	.0	.0
9/10	.0	.0	.0	.0	.0	.2	.1	.2	.0	37	.0	.0
7/8	.0	.0	.0	.0	.2	.1	.2	.1	.0	58	.0	.0
6	.0	.0	.0	.0	.2	.2	.1	.1	.0	63	.0	.7
5	.0	.0	.0	.1	.3	.4	.4	.2	.0	87	.0	1.0
4	.0	.0	.0	.2	.6	.7	.6	.1	.0	137	.0	2.2
3	.0	.0	.0	.2	.5	.9	.5	.1	.0	120	.0	2.1
2	.0	.0	.0	.4	1.2	1.3	.7	.2	.0	232	.0	3.0
1	.0	.0	.1	.5	1.3	1.7	.6	.1	.0	273	.0	4.0
0	.0	.0	.2	1.3	3.0	3.7	.9	.0	.0	526	.0	6.6
-1	.0	.0	.1	1.1	2.9	2.9	.6	.0	.0	471	.0	7.6
-2	.0	.0	.3	2.3	5.1	6.0	.6	.0	.0	745	.0	12.3
-3	.0	.0	.3	2.2	6.9	2.7	.3	.0	.0	636	.0	10.4
-4	.0	.0	.6	3.1	5.1	2.7	.2	.0	.0	723	.0	11.8
-5	.0	.0	.7	3.0	6.4	1.4	.1	.0	.0	616	.0	10.1
-6	.0	.0	.7	2.5	3.1	.9	.0	.0	.0	443	.0	7.2
-7/-8	.0	.1	1.1	3.7	3.6	.7	.0	.0	.0	553	.0	6.0
-9/-10	.0	.1	.6	1.9	1.1	.2	.0	.0	.0	245	.0	4.0
-11/-13	.0	.1	.4	.7	.3	.1	.0	.0	.0	101	.0	1.6
-14/-16	.0	.0	.1	.1	.0	.0	.0	.0	.0	14	.0	.2
-17/-19	.0	.0	.0	.1	.0	.0	.0	.0	.0	8	.0	.1
-20/-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	3	31	322	1000	1531	1689	385	8	6127	7	6120	
PCT	.0	.4	5.3	23.6	47.0	25.0	4.3	1.3	.1	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48-60	PCT	1-3	4-10	11-21	22-33	34-47	48-60	PCT
<1	.7	2.3	.0	.0	.0	.0	3.1	.4	1.5	.1	.0	.0	.0	2.0
1-2	1.6	8.7	7.3	.0	.0	.0	12.6	.5	4.4	1.7	.0	.0	.0	6.7
3-4	.3	3.9	5.4	.2	.0	.0	9.8	.0	1.7	2.6	.0	.0	.0	4.3
5-6	.0	.6	2.6	.1	.0	.0	3.3	.0	.2	1.1	.0	.0	.0	1.3
7	.0	.1	.5	.1	.0	.0	.7	.0	.0	.3	.1	.0	.0	.3
8-9	.0	.0	.2	.0	.0	.0	.2	.0	.0	.1	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.6	15.7	11.1	.5	.0	.0	30.0	1.0	7.8	5.8	.7	.0	.0	16.9

HGT	1-3	4-10	11-21	22-33	34-47	48-60	PCT	1-3	4-10	11-21	22-33	34-47	48-60	PCT
<1	.1	.9	.1	.0	.0	.0	.0	.2	.5	.1	.0	.0	.0	.0
1-2	.3	2.1	.4	.0	.0	.0	2.9	.1	.1	.2	.0	.0	.0	.0
3-4	.1	1.2	.4	.0	.0	.0	1.6	.0	.5	.2	.0	.0	.0	.7
5-6	.0	.1	.2	.0	.0	.0	.3	.0	.1	.2	.0	.0	.0	.3
7	.0	.0	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	4.1	1.4	.2	.1	.0	6.1	.3	1.2	.7	.0	.0	.0	2.2

PERIOD: (OVER-ALL) 1963-1979

DECEMBER

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.7
1-2	.1	.2	.0	.0	.0	.0	.3	.1	.7	.7	.0	.0	.0	1.1
3-4	.7	.2	.1	.0	.0	.0	.5	.0	.3	.1	.1	.0	.0	.5
5-6	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.1	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.7	.4	.0	.0	.0	1.1	.2	1.7	.4	.1	.0	.0	2.5

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.4	.4	.0	.0	.0	.0	1.4	.0	2.9	.1	.0	.0	.0	.0	1.9
1-2	.7	2.4	.7	.0	.0	.0	3.0	.5	10.5	1.4	.0	.0	.0	.0	14.0
3-4	.7	.9	.0	.0	.0	.0	1.3	.0	4.1	4.5	.1	.0	.0	.0	8.7
5-6	.0	.2	.1	.1	.0	.0	.5	.1	.8	2.7	.2	.0	.0	.0	3.8
7	.0	.0	.1	.0	.0	.0	.1	.0	.1	.7	.1	.0	.0	.0	1.0
8-9	.0	.0	.0	.1	.0	.0	.1	.0	.1	.3	.1	.0	.0	.0	.6
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	6.4	1.1	.2	.0	.0	6.4	1.4	19.6	11.9	.5	.0	.0	32.3	95.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.5	9.9	.6	.0	.0	.0	17.9	
1-2	3.9	24.9	8.6	.0	.0	.0	41.4	
3-4	.5	12.4	13.0	.5	.0	.0	27.2	
5-6	.1	2.0	7.1	.4	.0	.0	9.6	
7	.0	.3	1.6	.3	.0	.0	2.3	
8-9	.0	.1	.5	.7	.0	.0	.7	
10-11	.0	.0	.1	.4	.0	.0	.6	
12	.0	.0	.1	.1	.0	.0	.2	
13-16	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.1	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	12.1	59.7	72.3	1.8	.1	.0	100.0	1679

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12-15	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.4	20.5	18.8	6.8	2.0	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2694	3
6-7	.2	2.2	7.2	5.7	2.6	.8	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	961	4
8-9	.0	.7	2.1	2.4	1.0	.7	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	384	5
10-11	.0	.6	.9	1.0	.6	.3	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	179	5
12-13	.0	.0	.6	.6	.4	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	104	5
>13	.0	.0	.0	.4	.2	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	7
INDEX	6.4	2.0	1.8	.8	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	585	2
TOTAL	59.1	128.6	154.1	87.3	36.5	1.9	1.0	1.9	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	4997	3
PCT	11.9	26.0	31.5	17.6	7.4	2.7	2.0	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1959-1979

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PAST HR	SHORE HAZE	SPRAY BLUS	DUST SNOW	NO SIG MEA
N	.3		.3	.0	.0	.0	.0	.6		.2	.3	.1	1.0			96.6
NE	1.4	.3	1.0	.0	.0	.0	.0	2.6	.0	.4	.7	.1	1.9			93.4
E	1.9	.0	1.4	.0	.0	.0	.0	3.9	1.7	1.2	2.0	.4	3.2	.1		87.5
SE	2.0	1.1	1.5	.0	.0	.0	.0	4.5	2.0	.5	2.4	.1	3.0	.2		86.3
S	1.5	.9	.3	.0	.0	.0	.0	2.9	1.2	.5	1.5	.2	2.7	.2		90.8
SW	.7	.2	.6	.0	.0	.0	.0	1.4	.6	.3	1.2	.2	2.7			93.5
W	.2	.1	.2	.0	.0	.0	.0	.6	.5	.3	1.2	.1	1.0			93.6
NW	.2	.1	.1	.0	.0	.0	.0	.4	.2	.2	.0	.0	2.7			95.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	.1	.2	.0	.0	.0	.0	.6	.4	.5	3.3	.1	5.0	.1		90.1
TOT PCT	.4	.2	.3	.0	.0	.0	.0	.9	.4	.2	.9	.1	2.7	.1		94.7
TOT OBS: 93327																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PAST HR	SHORE HAZE	SPRAY BLUS DUST	NO SIG MEA	
00003	.4	.2	.3	.0	.0	.0	.0	.9	.4	.0	.6	.0	3.4	.1	94.7	
06009	.4	.1	.2	.0	.0	.0	.0	.8	.5	.5	.0	.0	2.1	.0	95.5	
12015	.5	.2	.4	.0	.0	.0	.0	1.1	.4	.5	1.2	.1	2.1	.0	94.0	
18021	.4	.2	.3	.0	.0	.0	.0	.8	.4	.0	1.4	.1	3.1	.1	94.0	
TOT PCT	.4	.2	.3	.0	.0	.0	.0	.9	.4	.3	1.0	.1	2.7	.1	94.6	
TOT OBS: 94743																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-5	6-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	1.4	10.7	7.4	.5	0	0		20.4	10.5	15.6	15.6	19.0	17.9	22.9	20.9	24.4	21.3	
NE	.5	3.0	1.3	.1	0	0		4.9	9.0	3.3	4.2	4.4	7.1	5.1	6.6	6.5	6.4	
E	.4	1.4	.5	.1	0	0		2.3	8.6	1.7	1.0	2.3	2.2	2.4	2.7	2.0	3.1	
SE	.4	1.2	.5	.1	0	0		2.2	8.3	2.2	2.3	2.3	2.0	1.9	2.2	2.4	2.4	
S	.3	1.0	.3	.1	0	0		1.7	7.6	2.1	1.6	1.8	2.3	1.4	1.5	1.6	1.7	
SW	.4	1.3	.3	0	0	0		2.0	7.2	3.0	2.4	1.6	2.0	1.5	2.0	1.7	2.4	
W	1.1	6.4	3.4	.1	0	0		11.0	9.0	10.6	12.3	11.0	14.2	8.7	9.0	9.0	8.0	
NW	2.2	24.0	23.4	1.2	0	0		50.9	11.0	53.1	54.0	51.4	52.0	50.9	51.1	47.0	51.6	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	4.0							4.0	.0	2.5	3.5	4.9	2.0	5.3	3.1	3.0	2.1	
TOT OBS							99957		10.1	24059	1759	21020	1338	20232	2646	27216	1801	
TOT PCT	10.7	49.4	37.6	2.2	.1	0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 4

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	5.3	12.7	2.3	.1	0	20.4	10.5	15.6	18.7	22.7	24.2
NE	1.0	2.7	.4	.0	0	4.9	9.0	3.3	4.3	5.2	6.5
E	1.0	1.1	.2	.0	0	2.3	8.6	1.7	2.3	2.4	2.0
SE	1.0	.9	.3	.1	0	2.2	8.3	2.2	2.3	1.9	2.4
S	.9	.7	.1	.0	0	1.7	7.6	2.0	1.6	1.4	1.6
SW	1.1	.8	.1	.0	0	2.0	7.2	2.9	1.7	1.6	1.7
W	4.0	6.7	.8	.0	0	11.0	9.0	10.3	12.2	8.8	9.0
NW	10.0	33.6	7.1	.2	0	50.9	11.0	53.3	51.9	50.9	48.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.0				0	4.0	.0	2.0	4.8	5.0	3.7
TOT OBS					99957		10.1	25918	22366	22879	28895
TOT PCT	20.0	59.2	11.3	.4	0	100.0		100.0	100.0	100.0	100.0

AREA 0002 SOUTHWEST BAY
23.00 111.00

WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED		INNOTS		DB	WEAR	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	2.6	6.0	46.8	41.8	2.6	.1		10.7	100.0	25910	
0400	4.8	6.1	49.9	37.0	2.2	.1		10.0	100.0	27360	
1215	5.0	6.4	51.8	36.0	1.7			9.7	100.0	27070	
1621	3.7	8.0	49.4	36.5	2.2	.1		9.9	100.0	26885	
TOT								10.1			
PCT	4.0	6.7	49.4	37.6	2.2	.1			100.0		

TABLE 1

PERCENTAGE FREQUENCY OF CILINE HEIGHTS (FT, NW 20/P)
AND OCCURRENCE OF NW C/P BY WIND DIRECTION

[illegible]

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (IN 30/8) AND VSBY (IN)

CELLING (FEET)	VSW (mm)							
	0R 10	0R 15	0R 22	0A 11	0R 17/2	0R 21/4	0R 26/2C	0R 30
0R 36500	.8	.9	.9	.9	.9	.9	.9	.9
0R 36000	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0R 35500	3.0	3.4	3.5	3.5	3.5	3.5	3.5	3.5
0R 35000	6.8	7.7	7.8	7.8	7.8	7.8	7.8	7.8
0R 34500	18.5	18.2	18.4	18.4	18.4	18.4	18.4	18.4
0R 34000	20.1	20.1	21.1	21.1	21.1	21.1	21.1	21.1
0R 33500	18.7	21.7	22.0	22.0	22.1	22.1	22.1	22.1
0R 33000	18.4	21.9	22.2	22.3	22.3	22.3	22.3	22.3
0R 32500	19.0	22.2	22.6	22.7	22.8	22.8	22.8	22.8

DCI FRG MW C5/D: 77.1

PERCENTAGE AREA OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	9	OBSCD	TOTAL
12.0	15.0	12.5	9.5	6.0	4.7	5.7	5.3	7.2	.4		81202

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

ANNUAL

AREA 0002 SOUTHWEST BAJA
21.4N 111.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
C1/2	PCP	.0	0	0	0	0	0	0	0	.0	.0	0	0
	NO PCP	0	0	0	0	0	0	0	.1	.0	0	.2	0
	TOT %	0	0	0	0	0	0	0	.1	.0	0	.2	0
1/2<1	PCP	0	0	0	0	0	0	0	0	.0	.0	0	0
	NO PCP	0	0	0	0	0	.0	0	0	.0	0	.1	0
	TOT %	0	0	0	0	0	0	0	0	.0	0	.1	0
1<2	PCP	0	0	0	0	0	0	0	0	.0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	.0	0	.1	0
	TOT %	0	0	0	0	0	0	0	0	.0	0	.1	0
2<5	PCP	0	0	0	0	0	0	0	0	.0	.0	.1	0
	NO PCP	.1	0	0	0	0	0	.1	.3	.0	0	.6	0
	TOT %	.1	0	0	0	0	0	.1	.3	.0	0	.7	0
5<10	PCP	0	0	.1	0	0	0	0	.1	.0	0	.2	0
	NO PCP	1.7	.7	.2	.2	.2	.2	1.3	4.5	.0	.4	8.0	0
	TOT %	1.4	.4	.3	.3	.2	.2	1.3	4.6	.0	.4	8.1	0
10+	PCP	.1	.1	0	0	0	0	0	.1	.0	0	.4	0
	NO PCP	19.0	4.4	2.0	1.8	1.5	1.7	10.0	45.9	.0	3.3	89.5	0
	TOT %	19.1	4.4	2.0	1.8	1.5	1.7	10.0	45.9	.0	3.3	89.8	0
TOT OBS													93077
TOT PCT													20.6 4.4 2.3 2.2 1.7 2.0 11.5 50.9 .0 3.8 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
C1/2	0-3	0	0	0	0	0	0	0	0	.0	0	.1	0
	4-10	0	0	0	0	0	0	0	.1	.0	0	.1	0
	11-21	0	0	0	0	0	0	0	0	.0	0	0	0
	22+	.0	0	0	0	0	0	.0	0	.0	0	0	0
	TOT %	0	0	0	0	0	0	0	.1	.0	0	.2	0
1/2<1	0-3	.0	0	.0	0	.0	0	0	0	.0	0	0	0
	4-10	0	0	0	0	0	.0	0	0	.0	0	.1	0
	11-21	0	0	0	0	0	0	0	0	.0	0	0	0
	22+	0	0	0	0	0	0	.0	0	.0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	.0	0	.1	0
1<2	0-3	0	0	0	0	.0	0	0	0	.0	0	0	0
	4-10	0	0	0	0	0	0	0	0	.0	0	.1	0
	11-21	0	0	0	0	0	0	0	0	.0	0	0	0
	22+	0	0	0	0	0	0	0	0	.0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	.1	0	.2	0
2<5	0-3	0	0	0	0	0	0	0	0	.0	.1	.1	0
	4-10	.1	0	0	0	0	0	.1	.2	.0	0	.5	0
	11-21	.1	0	0	0	0	0	0	.2	.0	0	.3	0
	22+	0	0	0	0	0	0	0	0	.0	0	.1	0
	TOT %	.1	.1	.1	.1	0	0	.1	.5	.0	.1	1.0	0
5<10	0-3	.1	0	0	0	0	0	.1	.2	.0	.4	1.1	0
	4-10	.7	.2	.1	.1	.1	.1	.4	2.1	.0	.4	4.2	0
	11-21	.5	.1	.1	.1	.1	0	.4	2.1	.0	.4	3.6	0
	22+	0	0	0	0	0	0	0	.1	.0	0	.3	0
	TOT %	1.3	.4	.3	.3	.2	.2	1.3	4.5	.0	.4	9.0	0
10+	0-3	1.2	.4	.3	.3	.3	.3	1.0	1.9	.0	3.3	9.1	0
	4-10	9.9	2.7	1.2	1.0	.9	1.1	6.0	21.5	.0	3.3	46.2	0
	11-21	7.4	1.2	.4	.4	.3	.2	2.9	21.3	.0	3.3	36.2	0
	22+	.4	.1	.1	.1	0	0	.1	1.1	.0	0	1.9	0
	TOT %	18.9	4.4	2.0	1.8	1.5	1.7	10.0	45.0	.0	3.3	89.4	0
TOT OBS													96859
TOT PCT													20.5 4.8 2.3 2.2 1.7 2.0 11.5 51.0 .0 3.9 100.0

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

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AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 1C

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY MGT	TOTAL OBS
00003	.3	.2	.7	3.5	6.8	3.4	1.8	.6	.4	.5	18.4	81.6	21512
06009	.6	.2	.7	4.0	7.4	3.7	1.5	.5	.3	.5	19.3	80.7	18017
12015	.9	.3	1.2	6.0	10.0	4.6	2.0	.5	.4	.5	26.3	73.7	17303
18021	.7	.2	1.0	4.9	9.3	5.0	2.2	.7	.5	.4	24.9	75.1	23310
TOT													80142
PCT	.6	.2	.9	4.6	8.4	4.2	1.9	.6	.4	.5	22.2	77.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.1	.1	.1	.8	7.9	90.9	25353
06009	.2	.1	.2	1.0	9.2	89.4	22324
12015	.3	.2	.3	1.3	10.6	87.3	22439
18021	.4	.1	.2	1.1	8.6	89.7	28178
TOT							98294
PCT	.3	.1	.2	1.1	9.0	89.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.3	1.3	5.4	13.4	80.7	20736
06009	.6	1.6	6.4	14.1	79.5	17326
12015	.9	2.5	9.4	18.3	72.3	16684
18021	.7	2.1	7.6	18.4	74.0	22542
TOT						77280
PCT	.6	1.9	7.1	16.2	76.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	0	0	0	0	.0	.0	.0	0	0
90/94	0	0	0	.1	.1	0	0	0	1.7	1.7
85/89	0	0	.1	1.5	4.3	3.9	.8	.0	10.8	10.8
80/84	0	.1	.7	2.0	6.6	6.8	2.9	.0	19.0	19.0
75/79	0	.2	1.2	4.6	7.7	8.0	4.0	.0	25.6	25.6
70/74	.0	.2	1.1	3.5	7.6	9.9	4.3	.0	26.6	26.6
65/69	.0	.1	.4	1.6	3.5	6.4	3.2	.0	15.2	15.2
60/64	.0	.0	0	.1	.2	.3	.3	.0	.9	.9
55/59	.0	.0	.0	.0	.0	0	0	0	0	0
50/54	.0	.0	.0	.0	.0	0	0	0	0	0
TOTAL									78523	100.0
PCT	0	.1	.6	3.6	13.9	30.7	35.5	15.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	0	0	0	0	0	.0	0	0	.0	.0
90/94	0	0	0	0	0	0	0	.1	.0	0
85/89	.2	.1	.1	.1	.1	.1	.2	.7	.0	.1
80/84	1.5	.5	.5	.7	.5	.4	1.6	4.6	.0	.6
75/79	3.6	1.0	.6	.5	.5	.5	2.4	9.1	.0	.9
70/74	6.0	1.6	.7	.4	.4	.5	2.9	12.1	.0	1.1
65/69	6.4	1.3	.4	.3	.2	.3	2.7	14.1	.0	.9
60/64	3.2	.5	.1	.1	.1	.1	1.3	9.5	.0	.3
55/59	.2	0	0	0	0	0	.6	.0	.0	0
50/54	0	0	.0	0	.0	.0	.0	.0	.0	.0
TOTAL	21.2	5.0	2.3	2.2	1.7	1.9	11.1	50.7	.0	3.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	99	84	80	73	66	62	50	73.1	25919
06009	95	78	76	70	64	62	50	70.2	22601
12015	92	78	75	69	63	61	50	69.4	21107
18021	97	83	80	73	66	62	53	72.8	24032
TOT	99	82	79	71	65	62	50	71.5	100659

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	0	6.1	17.5	36.4	30.7	9.3	77	20733
06009	0	2.5	8.6	23.9	42.0	22.9	82	18384
12015	0	2.1	8.5	23.3	41.9	24.2	82	17916
18021	0	5.9	18.9	36.8	29.7	8.8	76	22727
TOT	0	3194	10532	24320	28834	12842	79	79730

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1954-1979

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23.44 111.66

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS. AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	44	57	57	61	65	69	73	77	81	85	89	93	TOT	FOG	MC
52	56	60	64	68	72	76	80	84	88	92					
26/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
23/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.0
20/24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	105	.0	.1
14/16	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	265	.0	.1
11/13	.0	.0	.0	.0	.0	.1	.2	.2	.2	.1	.0	.0	716	.0	.4
8/10	.0	.0	.0	.0	.1	.2	.3	.3	.2	.1	.0	.0	1105	.0	1.2
7/9	.0	.0	.0	.0	.2	.5	.5	.4	.3	.1	.1	.0	2004	.0	2.2
6	.0	.0	.0	.0	.2	.9	.9	.3	.2	.1	.0	.0	1530	.0	1.7
5	.0	.0	.0	.1	.4	.7	.6	.5	.4	.2	.0	.0	2609	.0	2.9
4	.0	.0	.0	.2	.8	.9	.7	.6	.5	.7	.0	.0	3032	.1	3.0
3	.0	.0	.0	.2	.8	.8	.8	.6	.5	.1	.0	.0	3304	.1	3.0
2	.0	.0	.0	.4	1.4	1.5	1.1	1.0	.8	.2	.0	.0	5091	.1	6.6
1	.0	.0	.1	.7	1.9	1.9	1.1	1.0	.7	.2	.0	.0	5720	.1	6.5
0	.0	.0	.2	1.7	2.4	2.3	1.8	1.4	1.2	.1	.0	.0	9000	.1	11.2
-1	.0	.0	.1	1.4	2.0	1.9	1.7	1.4	.8	.1	.0	.0	8217	.1	9.4
-2	.0	.0	.3	2.0	2.6	2.3	2.0	1.7	.8	.0	.0	.0	10116	.1	11.7
-3	.0	.0	.3	1.4	2.0	2.0	1.4	1.2	.5	.0	.0	.0	7567	.1	8.0
-4	.0	.0	.3	1.4	2.1	1.7	1.5	1.2	.4	.0	.0	.0	7577	.1	8.9
-5	.0	.0	.3	1.7	1.7	1.4	1.2	.8	.2	.0	.0	.0	5819	.0	6.0
-6	.0	.0	.2	.9	1.1	1.0	.7	.4	.1	.0	.0	.0	3508	.0	4.3
-7/8	.0	.0	.2	1.1	1.6	1.1	.8	.4	.0	.0	.0	.0	4099	.0	4.4
-9/10	.0	.0	.1	.5	.9	.6	.3	.1	.0	.0	.0	.0	1727	.0	2.0
-11/13	.0	.0	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0	729	.0	.9
-14/16	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	150	.0	.2
-17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37	.0	.0
-20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	.0	.0
-23/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL													86356		
PCT	.0	.1	2.2	14.1	21.4	20.4	17.4	14.1	7.8	1.7	.3	.0	100.0	.9	99.1

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	NE	1-3	4-10	11-21	22-33	34-47	48+	PCT
1-2	.5	1.4	.0	.0	.0	.0	1.9	.2	.6	.0	.0	.0	.0	.0	.8
3-4	.5	6.0	2.7	.0	.0	.0	8.7	.1	1.7	.5	.0	.0	.0	.0	2.3
5-6	.1	3.3	4.1	.1	.0	.0	7.6	.0	.7	.7	.0	.0	.0	.0	1.5
7	.0	.7	2.4	.2	.0	.0	3.3	.0	.1	.4	.0	.0	.0	.0	.5
8-9	.0	.1	.7	.1	.0	.0	1.0	.0	.0	.1	.0	.0	.0	.0	.2
10-11	.0	.0	.2	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	11.6	4.7	.6	.0	.0	23.0	.4	3.1	1.7	.1	.0	.0	.0	5.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	SE	1-3	4-10	11-21	22-33	34-47	48+	PCT
1	.1	.2	.0	.0	.0	.0	.1	.1	.7	.0	.0	.0	.0	.0	.4
2	.1	.7	.2	.0	.0	.0	.9	.1	.5	.1	.0	.0	.0	.0	.7
3	.0	.4	.2	.0	.0	.0	.6	.0	.2	.2	.0	.0	.0	.0	.5
4	.0	.0	.1	.0	.0	.0	.2	.0	.1	.2	.0	.0	.0	.0	.3
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.3	.6	.1	.0	.0	2.3	.2	1.1	.6	.2	.0	.0	.0	2.0

PERIOD: (OVER-ALL) 1963-1979

ANNUAL

ARFA 0002 SOUTHWEST BAJA
23.44 111.66

TABLE 10 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.3	.1	.3	.0	.0	.0	.0	.4
1-2	.1	.5	.1	.0	.0	.0	.6	.1	.6	.1	.0	.0	.0	.8
3-4	.0	.2	.1	.0	.0	.0	.4	.0	.2	.1	.0	.0	.0	.3
5-6	.0	.1	.1	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.0	.4	.1	.0	.0	1.6	.2	1.1	.3	.0	.0	.0	1.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.4	1.0	.1	.0	.0	.0	1.4	.7	2.3	.2	.0	.0	.0	3.2	
1-2	.4	3.3	.9	.0	.0	.0	4.6	.7	11.6	5.0	.0	.0	.0	17.3	
3-4	.1	1.5	1.3	.0	.0	.0	3.0	.2	6.7	10.4	.2	.0	.0	17.6	
5-6	.0	.3	.7	.1	.0	.0	1.1	.0	1.4	6.7	.4	.0	.0	8.6	
7	.0	.1	.2	.0	.0	.0	.3	.0	.2	1.9	.3	.0	.0	2.5	
8-9	.0	.0	.0	.0	.0	.0	.1	.0	.1	.4	.2	.0	.0	.7	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.9	6.2	3.3	.2	.0	.0	10.5	1.7	22.3	24.8	1.3	.0	.0	50.1	96.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.0	6.3	.3	.0	.0	.0	12.6	
1-2	2.3	24.7	8.8	.0	.0	.0	35.9	
3-4	.6	13.1	17.1	.5	.0	.0	31.2	
5-6	.1	2.6	10.7	.8	.0	.0	14.2	
7	.0	.5	3.0	.4	.0	.0	4.1	
8-9	.0	.1	.7	.3	.0	.0	1.1	
10-11	.0	.0	.1	.2	.0	.0	.4	
12	.0	.0	.0	.1	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	9.1	47.4	40.9	2.5	.1	.0	100.0	22950

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.7	16.7	18.7	8.4	2.7	.9	.3	.1	.1	0	0	0	0	0	0	0	0	0	0	3596C	3
6-7	.1	2.2	7.6	7.6	3.4	1.3	.6	.2	.1	0	0	0	0	0	0	0	0	0	0	16511	5
8-9	0	.0	2.4	2.8	1.9	.9	.5	.2	.2	0	0	0	0	0	0	0	0	0	0	6991	6
10-11	.0	.6	.9	.9	.7	.4	.2	.1	.1	0	0	0	0	0	0	0	0	0	0	2793	6
12-13	.0	0	.7	.5	.3	.2	.1	.1	0	0	0	0	0	0	0	0	0	0	0	134C	6
15	.0	.0	.0	.4	.3	.1	.1	0	0	0	0	0	0	0	0	0	0	0	0	689	8
INDET	3.6	1.4	1.6	1.0	.5	.2	.1	0	0	0	0	0	0	0	0	0	0	0	0	5856	2
TOTAL																				70000	4
PCT	7.5	21.7	32.1	21.7	9.7	4.0	1.9	.6	.6	.2	.1	0	0	0	0	0	0	0	0	100.0	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1950-1979

AREA: DEE2 SOUTHWEST 64.0
23.00 111.00

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP IDET #1 BY MONTH

SEA TEMP DET #1	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
90+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75/80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70/75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60/65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50/55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40/45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30/35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15/20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10/15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5/10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
0/5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
MEAN	70.4	68.6	67.2	66.5	66.4	67.7	70.2	70.5	70.0	70.0	70.3	71.3	72.3	

TABLE 21

PRESSURE (PSI)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OPS
JAN	1015	1016	1016	1015	1015	1016	1017	1016	1016	7060
FEB	1015	1015	1016	1015	1015	1016	1017	1015	1016	6907
MAR	1014	1015	1015	1016	1016	1016	1015	1016	1015	7390
APR	1013	1014	1015	1012	1013	1014	1015	1013	1014	6900
MAY	1012	1013	1014	1012	1013	1013	1014	1013	1013	6795
JUN	1011	1011	1012	1011	1012	1012	1013	1012	1012	6607
JUL	1011	1012	1013	1011	1012	1012	1013	1012	1012	6603
AUG	1011	1011	1012	1010	1012	1012	1013	1011	1012	6603
SEP	1009	1009	1011	1009	1010	1010	1012	1009	1010	6511
OCT	1011	1012	1013	1011	1012	1012	1013	1011	1012	6515
NOV	1012	1014	1015	1013	1014	1015	1016	1014	1015	7612
DEC	1015	1014	1016	1014	1014	1015	1017	1014	1016	6823
ANN	1013	1013	1014	1012	1013	1014	1015	1013	1013	9500
OPS	2322	1127	2026	1729	19617	2005	76285	1594		

PERCENTILES

MO	P14	18	54	754	758	958	998	MAX
JAN	999	1009	1012	1015	1016	1018	1020	1026
FEB	999	1009	1012	1014	1016	1017	1020	1026
MAR	1001	1009	1011	1014	1015	1017	1019	1027
APR	999	1008	1010	1013	1014	1016	1020	1026
MAY	1000	1007	1010	1012	1013	1015	1017	1027
JUN	997	1005	1009	1011	1012	1014	1017	1025
JUL	996	1005	1009	1011	1012	1014	1018	1030
AUG	992	1003	1007	1010	1012	1014	1017	1024
SEP	990	1001	1005	1009	1011	1012	1015	1023
OCT	1000	1005	1008	1011	1012	1014	1018	1024
NOV	1001	1009	1011	1013	1015	1016	1020	1024
DEC	997	1009	1011	1014	1015	1017	1020	1026

PERIOD: 1001HRS: 1955-1956
1001HRS: 1970-1970

JANUARY

AREA CODE: GULF OF CALIFORNIA
25.00 110.70

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA									
	RAIN	RAIN Snow	DRZ	FOZL	Snow	Other FZLN	WIND	PCPN AT 00 TIME	PCPN PAST HOUR	WIND LINE	FOG	FOG MC	WIND	SPRAY	WIND	WIND
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	12.1	.0	.0	.0	.0	12.1	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WIND	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	503															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND

WIND (GMT)	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA									
	RAIN	RAIN Snow	DRZ	FOZL	Snow	Other FZLN	WIND	PCPN AT 00 TIME	PCPN PAST HOUR	WIND LINE	FOG	FOG MC	WIND	SPRAY	WIND	WIND
0000Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
0600Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1200Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1800Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	503															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND SPEED (KNOTS)																	WIND (GMT)						
WIND DIR	0-5	6-10	11-21	22-31	30-40	40+	TOTAL OBS	PCT FREQ	MEAN SPD	00	06	12	18	24	00	06							
N	1.1	7.0	11.0	5.0	.1	.0	24.0	10.1	11.2	.0	10.0	.0	27.0	17.0	21.0	17.0							
NE	.2	1.0	1.1	.0	.0	.0	3.2	9.7	5.7	10.0	.0	12.0	2.0	12.0	1.7	.0							
E	.5	1.1	.2	.0	.0	.0	1.8	5.2	3.1	.0	1.0	17.0	1.7	.0	1.7	.0							
SE	.7	2.3	1.1	.7	.0	.0	6.0	9.6	6.1	.0	7.0	.0	2.0	.0	1.7	.0							
S	.0	1.0	.5	.0	.0	.0	2.3	7.7	2.0	.0	7.1	.0	.5	.0	1.0	.0							
SW	.2	1.0	.0	.0	.0	.0	2.0	6.0	.0	.0	1.5	.0	1.1	.0	2.0	.0							
W	.0	2.7	.0	.0	.0	.0	6.3	8.5	1.0	.0	2.5	.0	6.2	.0	6.7	.0							
NW	2.1	19.0	16.2	6.0	.0	.0	52.0	13.3	60.0	17.0	65.5	17.0	60.0	17.0	60.0	17.0							
WIND	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
TOT OBS	70	257	260	17	1	0	664	11.0	100	2	90	2	137	2	275	1							
TOT PCT	11.0	36.1	39.0	2.6	.2	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0							

TABLE 4

WIND DIR	WIND SPEED (KNOTS)				TOTAL	PCT	MEAN	WIND (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	6.0	12.0	6.5	1.2	.0	24.0	10.1	12.7	10.0	27.0	21.0
NE	1.2	1.0	.5	.0	.0	3.2	9.7	5.7	10.0	2.0	12.0
E	1.0	.5	.0	.0	.0	1.8	5.2	3.1	.0	1.0	17.0
SE	1.0	2.0	.0	.0	.0	6.0	9.6	6.1	.0	7.0	.0
S	1.1	.0	.2	.0	.0	2.3	7.7	2.0	.0	7.1	.0
SW	1.1	.0	.2	.0	.0	2.0	6.0	.0	.0	1.5	.0
W	1.0	1.0	.0	.0	.0	6.3	8.5	1.0	.0	2.5	.0
NW	9.1	70.5	12.0	1.0	.0	52.0	13.3	60.0	17.0	65.5	17.0
WIND	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	1.4	319	140	20	0	664	11.0	100	2	90	2
TOT PCT	27.0	60.0	21.1	3.0	.0	100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)					MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-31	34-47			
0000	2.7	2.7	42.5	40.4	11.6	.0	.0	12.6	100.0
0000	10.4	9.9	33.7	32.7	11.9	1.0	.0	11.0	100.0
1200	6.5	5.0	30.1	41.7	8.6	.0	.0	11.7	100.0
1800	4.3	6.0	37.4	41.0	10.4	.0	.0	12.0	100.0
TOT	36	40	253	264	70	1	0	11.9	664
PCT	5.4	6.0	38.1	39.8	10.5	.2	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	15.0	2.6	6.0	1.5	2.6	2.6
NE	1.0	.7	1.5	.6	4.2	4.2
E	.0	.7	.4	.6	3.7	3.7
SE	1.0	.7	1.7	2.0	5.5	5.5
S	1.4	.7	.4	.6	3.7	3.7
SW	.6	.7	.6	.1	3.0	3.0
W	1.4	.4	.7	.8	3.6	3.6
WW	25.0	4.4	11.9	0.9	3.0	3.0
VAR	.0	.0	.0	.0	.0	.0
CALM	7.7	.6	1.0	1.2	3.5	3.5
TOT OBS	762	47	120	84	514	514
TOT PCT	51.0	4.1	23.1	16.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

DIR	100	150	200	300	400	1000	2000	3000	4000	5000	6000	7000	8000	9000	NM <5/8	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.3	1.1	.3	.0	.5	21.0				
NE	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	2.9				
E	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	1.7				
SE	.2	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	2.2				
S	.0	.0	.1	.1	.5	.0	.0	.0	.0	.0	.0	1.8				
SW	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	1.0				
W	.0	.0	.0	.0	.0	.3	.3	.0	.1	.0	.0	2.4				
WW	.0	.0	.6	1.3	2.6	2.9	2.5	.2	.0	1.1	30.1					
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CALM	.0	.0	.2	.0	.4	.0	.4	.0	.0	.0	.0	3.7				
TOT OBS	1	0	5	21	34	19	25	3	4	8	194	514				
TOT PCT	.2	.0	1.0	4.1	6.6	3.7	4.0	.6	.8	1.6	76.7	100.0				

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NMP)

CEILING (FEET)	VSBY (NMP)				VSBY (NMP)			
	>10	>15	>20	>25	>10	>15	>20	>25
> OR 76500	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3
> OR 35000	2.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9
> OR 3500	6.5	7.5	7.7	7.7	7.7	7.7	7.7	7.7
> OR 2000	10.2	11.1	11.5	11.5	11.5	11.5	11.5	11.5
> OR 1000	15.9	17.6	18.0	18.0	18.0	18.0	18.0	18.0
> OR 500	19.0	21.8	22.2	22.2	22.2	22.2	22.2	22.2
> OR 300	19.7	22.6	23.2	23.2	23.2	23.2	23.2	23.2
> OR 150	19.7	22.6	23.2	23.2	23.2	23.2	23.2	23.2
> OR > 0	19.7	22.6	23.2	23.2	23.2	23.2	23.2	23.2
TOTAL	103	118	121	121	121	121	122	122

TOTAL NUMBER OF OBS: 522

PCT FREQ NM <5/8: 76.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
45.6	12.3	8.9	7.2	7.5	5.1	4.3	5.3	8.7	.2	529

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBT (Hr)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
C1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	.4
	TOT S	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	.4
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
	TOT S	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4	.7	.7
	TOT S	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4	.7	.7
5<10	PCP	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	.4
	NO PCP	1.3	.0	.2	.4	.1	.0	.0	.0	.0	.4	6.4	6.4
	TOT S	1.3	.0	.2	.7	.1	.0	.0	.0	.0	.4	6.8	6.8
10<	PCP	.0	.0	.0	.2	.0	.0	.0	.4	.0	.0	.6	.6
	NO PCP	23.6	3.5	1.8	3.2	2.4	1.6	3.9	46.2	.0	4.8	91.2	91.2
	TOT S	23.6	3.5	1.8	3.4	2.4	1.6	3.9	46.6	.0	4.8	91.7	91.7
TOT OBS													543
TOT PCT		25.1	5.0	2.1	4.6	2.6	1.7	3.9	50.6	.0	5.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBT (Hr)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
C1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	.4
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	.4
1/2<1	0-3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4
	4-10	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.4	.4
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
	TOT S	.3	.0	.1	.2	.0	.0	.0	.0	.0	.4	1.3	1.3
5<10	0-3	.1	.0	.2	.0	.0	.0	.0	.4	.0	.4	1.1	1.1
	4-10	.6	.0	.0	.0	.0	.0	.0	1.9	.0	.0	2.6	2.6
	11-21	.1	.0	.0	.5	.1	.0	.0	1.0	.0	.0	1.8	1.8
	22+	.5	.0	.0	.2	.0	.0	.0	.5	.0	.0	1.1	1.1
	TOT S	1.3	.0	.2	.7	.1	.0	.0	3.9	.0	.4	6.8	6.8
10<	0-3	1.2	.1	.5	.5	.5	.0	.7	1.7	.0	4.7	9.9	9.9
	4-10	6.9	2.2	1.1	2.0	1.5	1.1	2.7	16.2	.0	.0	33.8	33.8
	11-21	12.2	.2	.0	.4	.5	.7	22.6	.0	.0	.0	36.5	36.5
	22+	3.2	.0	.0	.2	.0	.0	.0	5.7	.0	.0	9.1	9.1
	TOT S	23.5	2.5	1.6	3.4	2.4	1.6	4.1	46.2	.0	4.7	91.2	91.2
TOT OBS													449
TOT PCT		26.2	3.7	2.1	4.7	2.6	1.6	4.1	50.2	.0	5.8	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 249	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	1.4	3.5	7.7	4.9	3.5	.7	.0	2.1	23.8	76.2	143
06009	.0	.0	.0	6.2	7.2	2.1	3.1	1.0	1.0	.0	20.6	79.4	97
12015	.0	.0	.0	3.1	6.3	1.6	5.5	.8	.8	2.4	20.5	79.5	127
18021	.6	.0	1.9	4.4	5.0	5.7	6.3	.0	1.3	1.3	26.4	73.6	159
TOT	1	0	5	22	34	20	25	3	4	8	122	404	526
PCT	.2	.0	1.0	4.2	6.5	3.8	4.8	.6	.8	1.5	23.2	76.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.7	.7	.0	1.4	5.4	91.9	148
06009	.0	.0	.0	1.0	8.6	90.5	105
12015	.0	.0	.7	.0	9.2	90.1	141
18021	.6	.0	.0	2.5	4.9	92.0	163
TOT	2	1	1	7	38	508	557
PCT	.4	.2	.2	1.3	6.8	91.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.0	2.1	7.0	19.0	73.9	142
06009	.0	.0	7.2	13.4	79.4	97
12015	.0	.0	3.2	17.5	79.4	126
18021	.6	2.5	8.9	19.1	72.0	157
TOT	1	7	35	92	395	522
PCT	.2	1.3	6.7	17.6	75.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.2	.4	.4	.9	.0	.0	10	1.9
75/79	.0	.0	.2	.6	1.1	.9	.0	.4	17	3.2
70/74	.0	.0	.2	.6	5.3	6.0	4.5	.9	93	17.5
65/69	.0	.0	.2	1.5	6.8	9.0	14.7	8.1	214	40.3
60/64	.0	.0	.2	1.3	4.9	11.5	9.8	4.5	171	32.2
55/59	.0	.0	.2	.2	.9	2.1	.9	.6	26	4.9
TOTAL	0	0	6	24	103	162	159	77	531	100.0
PCT	.0	.0	1.1	4.5	19.4	30.5	29.9	14.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.7	.2	.0	.0	.0	.0	.0	1.0	.0	.0
75/79	.6	.5	.3	.0	.0	.0	.0	1.6	.0	.2
70/74	5.4	.7	.5	.7	.5	.2	.7	8.4	.0	.6
65/69	8.9	1.5	.8	2.7	1.7	.9	1.4	20.0	.0	2.4
60/64	7.7	.7	.3	1.0	.7	.6	1.6	17.6	.0	2.1
55/59	2.3	.0	.1	.2	.0	.0	.0	2.1	.0	.2
TOTAL	25.5	3.6	2.0	4.7	2.8	1.7	3.6	50.7	.0	5.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	83	82	80	67	61	59	57	66.0	148
06009	82	76	73	65	60	57	57	65.7	106
12015	72	71	70	64	58	56	55	64.1	141
18021	83	76	74	67	60	57	56	66.9	169
TOT	83	81	74	66	59	57	55	66.4	564

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	6.2	21.8	29.3	30.6	10.2	75	147		
06009	.0	1.9	17.3	26.0	30.8	24.0	80	104		
12015	.0	2.3	13.5	31.6	35.3	17.3	80	133		
18021	.0	6.3	24.4	32.1	25.0	10.3	75	156		
TOT	0	10	106	162	163	79	77	540		

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53	57	61	65	69	73	77	81	TOT	N	NO FOG
	56	60	64	68	72	76	80	84			
17/19	.0	.0	.0	.0	.0	.0	.0	.2	1	.0	.2
14/16	.0	.0	.0	.0	.0	.0	.0	.2	1	.0	.2
11/13	.0	.0	.0	.0	.0	.0	.4	.2	3	.0	.6
9/10	.0	.0	.0	.0	.2	.4	.0	.4	5	.0	.9
7/8	.0	.0	.2	.2	.9	.4	.2	.4	12	.0	2.3
6	.0	.0	.0	.2	.4	.8	.2	.0	8	.0	1.5
5	.0	.0	.2	.6	1.3	.9	.0	.0	17	.0	3.2
4	.0	.0	.9	1.3	2.3	.4	.2	.0	27	.0	5.1
3	.0	.0	.2	1.3	1.7	.2	.2	.0	19	.2	3.4
2	.0	.0	.6	1.7	1.3	.9	.0	.0	24	.0	4.5
1	.0	.0	1.3	5.1	1.5	.4	.0	.0	44	.0	8.3
0	.0	.0	2.7	4.7	.9	1.1	.0	.2	51	.0	9.7
-1	.0	.0	3.8	3.4	1.9	.2	.0	.0	69	.0	9.3
-2	.0	.4	2.7	4.0	.8	.4	.0	.0	43	.2	6.0
-3	.0	1.1	2.8	2.7	.8	.4	.0	.0	41	.4	7.4
-4	.2	1.7	4.2	3.0	.9	.6	.0	.0	56	.0	10.6
-5	.0	1.9	3.0	3.2	.0	.0	.0	.0	43	.0	8.1
-6	.2	.9	2.7	1.9	.4	.0	.0	.0	32	.2	5.9
-7/-8	.0	.8	2.7	1.5	.4	.0	.0	.0	28	.2	5.1
-9/-10	.0	.4	1.5	1.1	.0	.0	.0	.0	16	.0	3.0
-11/-13	.0	.0	.8	.6	.0	.0	.0	.0	7	.0	1.3
-14/-16	.0	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	2	38	160	83	37	6			528	6	522
PCT	.4	7.2	30.3	36.7	15.7	7.0	1.1	1.5	100.0	1.1	98.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	1.0	.0	.0	.0	.0	1.4		.0	.9	.0	.0	.0	.0	.9	
1-2	.0	2.0	2.1	.0	.0	.0	4.1		.0	1.6	.7	.0	.0	.0	2.3	
3-4	.0	3.5	6.9	.0	.0	.0	10.5		.0	.0	1.6	.0	.0	.0	1.6	
5-6	.0	.0	5.1	.5	.0	.0	5.7		.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.5	1.1	.0	.0	1.6		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.5	1.6	.0	.0	2.1		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.7	.0	.0	.0	1.4		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.7	.0	.0	.7		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	7.3	16.0	4.6	.0	.0	27.8		.0	2.5	2.3	.0	.0	.0	4.8	

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0		.0	2.1	.0	.0	.0	.0	2.1	
1-2	.0	2.0	.0	.0	.0	.0	2.0		.0	2.1	.0	.0	.0	.0	2.1	
3-4	.0	.0	.0	.0	.0	.0	.0		.0	.0	2.3	.0	.0	.0	2.3	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.7	.0	.0	.7	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	2.0	.0	.0	.0	.0	2.0		.0	4.3	2.3	.7	.0	.0	7.1	

PERIOD: (OVER-ALL) 1963-1970

JANUARY

AREA 0001 GULF OF CALIFORNIA
25.60 110.30

TABLE 10 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

MSL	S							Ss							PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
1	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	
3-6	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7	
7-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	

MSL	S							Ss							PCT	Total PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT		
1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.7	.0	.0	.0	.0	1.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	11.3	6.4	.0	.0	.0	.0	17.7	
3-6	.0	.0	.0	.0	.0	.0	.0	.0	2.1	9.0	1.4	.0	.0	.0	11.5	
7-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	2.3	.0	.0	.0	6.4	
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.0	1.1	.0	.0	.0	10.1	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	2.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	1.1	.0	.0	.0	1.0	.0	10.5	27.0	6.7	.0	.0	44.2	95.0	

WIND SPEED (KTS) BY SEA HEIGHT (FT)

MSL	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0
3-6	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

PERIOD: (OVER-ALL) 1969-1970

TABLE 10

PERCENT FREQUENCY OF WAVE HEIGHT (FT) BY WAVE PERIOD (SECONDS)

PERIOD	1-2	3-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	13.5	26.0	27.7	15.0	7.0	5.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	10.0

FEBRUARY

PERIOD: (PRIMARY) 1967-1979
(OVER-ALL) 1961-1979

AREA 0003 GULF OF CALIFORNIA
25.4N 110.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHUR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAUL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHORE HAZE	SPRAY BLWS DUST	NO SIG WFA	
N	.0	.0	1.7	.0	.0	.0	.0	1.7	.0	.0	.0	.0	0.0	.0	92.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5	.0	87.5	
E	.0	.0	.0	.0	.0	.0	.0	.0	21.7	.0	8.7	.0	8.7	.0	60.9	
SE	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	13.3	.0	.0	.0	80.0	
S	3.0	.0	.0	.0	.0	.0	.0	3.0	.0	5.1	.0	.0	.0	.0	91.1	
SW	2.2	.0	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	97.8	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	.0	.0	.0	.0	92.2	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.5	2.9	.1	95.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.7	.0	91.3	
TOT PCT	.2	.0	.0	.0	.0	.0	.0	.6	.9	.9	.9	.0	3.9	.2	92.7	
TOT OBS:	667															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAUL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHORE HAZE	SPRAY BLWS DUST BLWS SNOW	NO SIG WFA	
0000Z	.7	.0	.7	.0	.0	.0	.0	1.4	.7	.0	.0	.0	0.0	.0	91.2	
0600Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	0.5	.0	92.0	
1201Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	1.7	.0	90.9	
1802Z	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	2.4	.0	1.0	1.0	92.3	
TOT PCT	.2	.0	.0	.0	.0	.0	.0	.6	1.1	.9	.9	.0	3.0	.2	92.5	
TOT OBS:	669															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						NO+ TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-1	4-10	11-21	22-31	30-47	NO+ TOTAL OBS				00	01	06	09	12	18	21
N	2.1	0.0	0.0	2.7	.5	.0	23.0	13.0	10.1	21.7	25.0	24.0	20.0	17.0	16.1	62.5
NE	.0	.0	.0	.0	.0	.0	1.0	0.0	5.2	5.0	2.1	.0	.0	.0	.0	24.0
E	.0	1.0	.2	.0	.0	.0	2.2	0.0	5.7	.0	1.0	.0	1.0	.0	2.2	.0
SE	.0	1.0	.0	.0	.0	.0	2.2	0.0	0.3	.0	.0	.0	1.0	7.1	2.0	.0
S	1.1	1.0	.0	.0	.0	.0	3.5	0.1	0.3	0.0	0.0	.0	2.0	.0	5.1	.0
SW	.0	1.7	.0	.0	.0	.0	3.0	0.1	2.2	5.0	2.5	.0	5.7	.0	2.1	.0
W	.0	1.5	1.0	.0	.0	.0	0.0	0.0	0.0	.0	5.2	25.0	0.1	.0	7.0	.0
NW	1.5	10.2	20.0	0.1	1.2	.0	50.0	19.7	10.0	11.0	00.0	50.0	10.0	13.0	5.0	12.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	0.0						0.0	.0	0.0	1.7	13.1	.0	0.7	21.0	0.2	.0
TOT OBS	110	220	200	50	11	0	651	11.2	107	14	120	0	120	10	225	2
TOT PCT	10.1	19.0	10.0	0.1	1.7	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 4

WIND DIR	WIND SPEED (KNOTS)					NO+ TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	5.0	10.0	5.0	1.2	.0	73.0	13.0	20.0	25.0	21.0	10.0	.0
NE	.7	.0	.0	.0	.0	1.0	0.0	5.1	2.0	.0	.0	.0
E	1.3	.7	.2	.0	.0	2.2	0.0	5.0	1.0	1.1	2.2	.0
SE	1.0	.0	.0	.0	.0	2.2	0.0	5.0	.0	1.0	2.0	.0
S	2.0	1.1	.0	.0	.0	3.5	0.1	0.7	0.0	1.0	5.1	.0
SW	2.0	1.0	.0	.0	.0	3.0	0.1	2.1	2.0	0.0	2.0	.0
W	2.1	1.7	.7	.2	.0	5.0	0.0	0.0	5.0	5.7	0.0	.0
NW	0.0	25.7	12.1	1.1	.0	40.0	19.7	10.0	00.0	11.1	10.1	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	0.0					0.0	.0	0.0	12.0	10.0	0.2	.0
TOT OBS	210	280	121	20	0	651	11.2	100	120	100	225	2
TOT PCT	33.0	43.0	18.0	3.0	.0	100.0		100.0	100.0	100.0	100.0	100.0

FEBRUARY

 PERIOD: (PRIMARY) 1957-1979
 (OVER-ALL) 1951-1979

 AREA 0003 GULF OF CALIFORNIA
 25.4N 110.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				NO.	MEAN	PCT	TOTAL
				11-21	22-33	34-47	48+				
0000	0.0	10.0	31.3	39.4	0.1	1.9	0	11.2	100.0	160	
0600	12.9	7.3	30.7	35.5	4.0	0	0	10.2	100.0	174	
1200	10.0	9.3	30.4	33.6	8.6	2.1	0	11.1	100.0	140	
1800	6.7	9.3	30.8	37.9	10.1	1.0	0	11.7	100.0	227	
TOT	50	60	220	240	54	11	0	11.2		651	
PCT	6.9	9.2	35.0	36.9	8.3	1.7	0		100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-1	TOTAL	MEAN
N	10.1	3.0	2.7	2.7	2.2	
NE	5	1	0	0	3.0	
E	0	2	0	0	0.0	
SE	0	0	1	1	3.7	
S	1.0	2	1.5	0	3.0	
SW	1.1	2	0	1	3.1	
W	2.5	1.0	1.0	0	3.3	
NW	20.5	0.2	7.0	2.0	2.9	
WIND	0	0	0	0	0	
CALM	5.6	1	2.8	1	2.7	
TOT	240	0	70	37	312	
TOT PCT	57.6	15.4	16.1	9.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT. OR M.)
AND OCCURRENCE OF LOW CLOUDS BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-1	TOTAL	MEAN	PCT	TOTAL
N	10.1	3.0	2.7	2.7	2.2	0	0	21.1
NE	5	1	0	0	3.0	0	0	1.0
E	0	2	0	0	0.0	0	0	1.0
SE	0	0	1	1	3.7	0	0	1.3
S	1.0	2	1.5	0	3.0	0	0	3.1
SW	1.1	2	0	1	3.1	0	0	2.3
W	2.5	1.0	1.0	0	3.3	0	0	0.0
NW	20.5	0.2	7.0	2.0	2.9	0	0	02.0
WIND	0	0	0	0	0	0	0	0
CALM	5.6	1	2.8	1	2.7	0	0	7.0
TOT	240	0	70	37	312	0	0	30.0
TOT PCT	57.6	15.4	16.1	9.6	100.0	0	0	100.0

TABLE 7

CL. LATIT PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT 1000 FT OR M. AND 1500 FT OR M.

CEILING (FEET)	100	100	100	100	100	100	100	100
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3000	10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
3500	12.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
4000	12.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
4500	12.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
5000	12.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
TOTAL	47	0	0	0	0	0	0	0

TOTAL NUMBER OF OBS: 433

PCT FREQ ON 1500: 10.0

TABLE 8

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

C	1	2	3	4	5	6	7	8	9	10	TOTAL
00.0	10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	000

FEBRUARY

PERIOD: 1901-1970
1901-1970

AREA 0001 GULF OF CALIFORNIA
25.0N 110.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION BY OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

WIND (KNOTS)		N	NE	E	SE	S	SW	W	NW	WSP	CALM	PER	TOTAL OBS
0-17	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-24	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24-31	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31-40	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40-50	PCP	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	1.0	.1	.0	.0	.2	.0	.0	1.0	.0	1.0	1.0	5.0
	TOT S	2.1	.1	.0	.0	.2	.0	.0	1.0	.0	1.0	1.0	6.2
50-60	PCP	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	22.0	1.7	2.1	1.0	1.0	2.0	0.0	00.0	.0	0.0	02.7	30.8
	TOT S	23.0	1.7	2.1	1.0	1.0	2.0	0.0	00.0	.0	0.0	02.7	30.8
TOT OBS													308
TOT PCT		25.1	1.7	2.1	1.0	0.2	2.0	0.0	00.0	.0	0.0	02.7	100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION BY WIND SPEED
WITH VARYING VALUES OF VISIBILITY

WIND (KNOTS)	SPEED KTS	N	NE	E	SE	S	SW	W	NW	WSP	CALM	PER	TOTAL OBS
0-17	0-3	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-24	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24-31	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31-40	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	1.2	.0	.0	.0	.2	.1	.0	.0	.0	.0	1.3	1.7
	11-21	.0	.1	.0	.0	.0	.0	.2	1.0	.0	.0	1.0	1.0
	22+	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	2.1	.1	.0	.0	.2	.1	.2	1.0	.0	.0	1.3	6.1
40-50	0-3	1.0	.5	.2	.2	1.1	.0	.2	2.7	.0	0.2	15.0	19.0
	4-10	0.0	.5	1.0	1.0	1.0	1.7	3.0	15.0	.0	.0	12.1	22.1
	11-21	0.0	.7	.2	.0	.0	.1	1.7	23.0	.0	.0	10.0	10.0
	22+	1.0	.0	.0	.0	.0	.0	.2	5.1	.0	.0	0.7	0.7
	TOT S	23.0	1.0	2.2	1.0	3.0	2.0	5.0	00.7	.0	0.2	02.0	30.8
TOT OBS													308
TOT PCT		25.7	1.7	2.0	1.0	0.2	2.0	5.0	00.7	.0	0.2	02.7	100.0

FEBRUARY

PERIOD: (PRIMARY) 1967-1970
(OVER-ALL) 1961-1970

AREA 0003 GULF OF CALIFORNIA
25.4N 110.1W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 1400	150 200	300 500	400 500	1000 1000	2000 3000	3500 4000	5000 6000	6500 7000	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000Z	.0	.0	.0	3.1	3.9	5.4	3.1	2.3	1.6	.8	20.2	79.8	129
0600Z	.0	.0	1.9	.9	.0	2.0	.9	.9	.0	2.0	11.2	88.8	107
1201Z	.0	.0	.0	3.0	2.9	1.9	1.0	.0	1.0	1.0	11.4	88.6	105
1802Z	2.0	.0	.0	2.0	1.0	.0	2.0	.0	.0	.0	16.0	83.2	101
TOT	2	1	2	11	11	10	8	8	3	5	67	375	442
PCT	.5	.2	.5	2.5	2.5	3.0	1.0	1.0	.7	1.1	15.2	84.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000Z	.0	.0	.0	.0	5.8	94.2	137
0600Z	.0	.0	.0	.9	7.0	91.2	114
1201Z	.0	.0	.0	1.7	4.2	94.1	119
1802Z	1.0	.0	.0	.0	6.6	91.5	106
TOT	2	0	0	3	29	442	476
PCT	.0	.0	.0	.6	6.1	92.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <500 FT	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000Z	.0	.0	3.2	17.6	79.2	125
0600Z	.0	2.0	4.8	6.7	86.6	105
1201Z	.0	.0	5.0	7.8	86.4	103
1802Z	2.0	2.0	4.0	12.0	84.0	100
TOT	2	5	19	49	365	433
PCT	.5	1.2	4.4	11.3	84.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
60/64	.0	.0	.0	.0	.0	.2	.2	.0	2	.5
75/79	.0	.0	.0	.7	.9	1.1	.5	.0	14	3.2
70/74	.0	.0	.7	2.3	7.2	5.6	3.8	1.0	95	21.4
65/69	.0	.0	1.1	1.6	5.9	11.1	13.3	6.1	182	41.1
60/64	.0	.0	.2	1.6	5.6	9.5	9.3	5.0	130	31.2
55/59	.0	.0	.0	.2	.9	.7	.5	.5	12	2.7
TOTAL	0	0	9	20	91	134	122	59	443	100.0
PCT	.0	.0	2.0	4.3	20.5	30.2	27.5	13.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.2	.0	.0	.0	.0	.0	.0	.2	.0	.0
.0	.0	.0	.0	.0	.0	.2	1.2	.0	.9
4.5	.4	1.0	.6	1.2	.7	1.4	9.7	.0	2.0
10.7	.3	1.2	1.1	1.6	.8	2.7	18.0	.0	3.8
9.0	.8	.0	.0	.0	.8	.6	16.7	.0	2.5
1.0	.0	.0	.0	.0	.2	.4	.9	.0	.2
26.2	1.5	2.2	1.6	3.6	2.5	5.2	47.6	.0	9.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	80	79	77	69	61	59	58	68.4	157
0600Z	75	72	70	65	60	58	57	65.1	126
1201Z	73	72	71	64	59	56	56	64.5	140
1802Z	80	78	74	67	61	59	57	67.4	226
TOT	80	78	74	66	60	58	56	66.6	649

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	8.3	25.8	32.5	19.2	14.2	75	120		
0600Z	.0	2.7	16.4	36.4	32.7	11.8	74	110		
1201Z	.0	6.9	12.9	29.3	33.6	17.2	76	116		
1802Z	.0	16.0	28.0	23.0	24.0	9.0	72	100		
TOT	0	37	92	136	122	59	76	446		

FEBRUARY

PERIOD: (PRIMARY) 1967-1979
(OVER-ALL) 1881-1979AREA 0003 GULF OF CALIFORNIA
25.4N 110.1W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	TOT	N FOG	NO FOG
14/16	.0	.0	.0	.2	.0	.0	.2	2	.0	.4
11/13	.0	.0	.0	.0	.4	.2	.7	6	.0	1.3
9/10	.0	.0	.0	.2	1.1	1.8	.7	17	.0	3.7
7/8	.0	.0	.2	.2	1.1	.2	.4	10	.0	2.2
6	.0	.0	.0	.2	1.1	.4	.0	8	.0	1.6
5	.0	.0	.0	.2	1.3	1.3	.0	13	.0	2.9
4	.0	.0	.2	1.1	2.6	.4	.0	70	.2	4.2
3	.0	.0	.4	2.6	1.3	.9	.0	24	.0	5.3
2	.0	.0	.4	2.9	1.8	.9	.0	27	.0	5.9
1	.0	.2	1.3	2.2	2.4	1.1	.0	33	.0	7.3
0	.0	.2	2.6	4.0	2.2	.4	.2	44	.2	9.5
-1	.0	.0	1.3	4.4	1.3	.7	.0	34	.0	7.5
-2	.0	.9	2.9	4.2	.4	.2	.0	39	.2	8.4
-3	.0	.7	2.0	4.6	.4	.0	.0	35	.0	7.7
-4	.0	.2	4.2	3.7	.2	.0	.2	39	.0	8.4
-5	.2	1.7	5.1	3.1	.9	.0	.0	49	.0	10.8
-6	.0	.7	2.6	.7	.0	.0	.0	18	.2	3.7
-7/-8	.2	1.1	2.4	2.0	.7	.0	.0	29	.0	6.4
-9/-10	.0	.0	.0	.2	.0	.0	.0	1	.0	.2
-11/-13	.0	.0	.9	.2	.0	.0	.0	5	.0	1.1
-14/-16	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	2	26	123	168	86	36	11	454	4	450
PCT	.4	5.7	27.1	37.0	19.4	7.9	2.4	100.0	.9	99.1

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.2	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	8.3	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	2.9	3.8	1.9	.0	8.7	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	4.8	2.9	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.1	16.0	6.7	1.9	.0	29.8	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.0	.0	.0	.0	.0	1.0	.0	2.2	.0	.0	.0	.0	2.2
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.0	.0	.0	.0	.0	1.0	.0	2.2	.0	.0	.0	.0	.2

PERIOD: (OVER-ALL) 1963-1979

FEBRUARY

AREA 0001 GULF OF CALIFORNIA
25.4N 110.1W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S								SW							
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
1-2	.0	1.9	.0	.0	.0	.0	1.9		.0	1.3	.0	.0	.0	.0	1.3	
3-4	.0	.0	2.2	.0	.0	.0	2.2		.0	.0	.3	.0	.0	.0	.3	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.9	2.2	.0	.0	.0	4.2		.0	1.3	.3	.0	.0	.0	1.6	

HGT	W								NW								TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.0	.0	.0	.0	.0	.0	.0		.0	4.1	.0	.0	.0	.0	4.1		
1-2	.0	1.3	.0	.0	.0	.0	1.3		1.3	1.6	7.7	.0	.0	.0	10.6		
3-4	.0	1.9	1.3	.0	.0	.0	3.2		.0	4.5	9.6	.0	.0	.0	14.1		
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	1.0	1.3	1.9	.0	4.2		
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	5.4	3.5	.0	.0	8.9		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	1.3	.0	.0	1.3		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
TOT PCT	.0	3.2	1.3	.0	.0	.0	4.5		1.3	12.2	23.7	6.1	1.9	.0	45.2	86.5	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	11.6	10.3	.0	.0	.0	.0	21.8	95.5
1-2	1.3	10.3	7.7	.0	.0	.0	19.2	
3-4	.0	6.4	21.8	.0	.0	.0	28.2	
5-6	.0	.0	3.8	5.1	3.8	.0	12.8	
7	.0	.0	10.3	6.4	.0	.0	16.7	
8-9	.0	.0	.0	1.3	.0	.0	1.3	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	12.8	26.9	43.6	12.8	3.8	.0	100.0	79

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	8.3	10.5	20.8	9.8	5.8	1.3	.8	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26.2	3
6-7	.3	4.5	1.8	3.5	1.5	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.0	4
8-9	.3	2.5	.5	.5	.8	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5
10-11	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
12-13	.0	.0	.5	.3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
>13	.0	.0	.0	.3	.0	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	10
INDET	12.0	1.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	0
TOTAL	83	108	96	57	33	10	8	2	3	0	0	0	0	0	0	0	0	0	0	400	3
PCT	20.8	27.0	24.0	14.3	8.3	2.5	2.0	.5	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1982-1979AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	.0	93.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	98.3
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	.0	11.3	.0	84.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	.0	4.3	.0	87.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	3.3	.0	94.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	99.4
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	98.0
NW	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.6	.0	3.0	.0	96.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	.0	94.0
TOT PCT	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	1.0	.0	3.4	.0	95.0
TOT OBS:	717														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG WEA
0000	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	5.7	.0	93.8
0600	.0	.6	.0	.0	.0	.0	.0	.6	.0	.0	.6	.0	2.3	.0	96.5
1200	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	3.1	.0	95.9
1800	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	4.0	.0	94.2
TOT PCT	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	1.0	.0	3.4	.0	95.1
TOT OBS:	712														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	01	06	09	12	15	18	21
N	2.5	7.0	5.0	1.0	.2	.0		10.2	13.1	27.8	66.7	17.3	.0	15.5	15.0	14.0	17.5	
NE	.3	1.3	.3	.0	.0	.0		2.0	7.5	3.2	.0	1.4	.0	2.2	2.1	1.1	12.5	
E	1.5	1.4	.1	.0	.0	.0		3.2	5.0	6.1	.0	7.9	.0	1.4	.0	2.4	.0	
SE	.9	1.9	.6	.0	.0	.0		3.4	6.6	6.7	.0	4.6	.0	.3	.0	4.0	.0	
S	1.2	2.3	.4	.0	.0	.0		4.0	5.7	3.3	.0	3.3	.0	4.3	.0	4.7	.0	
SW	.0	3.3	1.5	.1	.0	.0		5.0	8.3	3.1	.0	6.1	.0	6.4	.0	6.4	.0	
W	2.7	7.1	1.9	.1	.0	.0		11.2	7.6	6.1	.0	10.1	.0	15.4	20.0	17.0	.0	
NW	3.1	10.2	15.1	7.5	.7	.0		30.6	11.6	15.1	11.1	15.0	.0	30.7	25.0	44.9	50.0	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	12.7							12.7	.0	10.6	.0	17.8	.0	13.6	40.0	10.0	.0	
TOT OBS	219	378	222	39	6	0	666		6.7		100	1	169	0	184	10	310	2
TOT PCT	25.3	43.6	24.6	4.5	.9	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	100.0	

TABLE 4a

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+						00	06	12	18
N	6.6	1.7	3.2	.7	.0		10.2	13.1	28.4	17.3	15.5	15.0	14.0	
NE	1.0	.9	.0	.0	.0		2.0	7.5	3.1	1.4	2.2	2.1	1.2	
E	2.1	1.1	.0	.0	.0		3.2	5.0	6.0	3.3	1.4	.0	2.4	
SE	2.0	.9	.1	.0	.0		3.4	6.6	6.6	.6	.6	.3	4.0	
S	2.6	1.2	.1	.0	.0		4.0	5.7	3.3	3.3	.0	4.3	.0	
SW	2.5	3.1	.2	.0	.0		5.0	8.3	3.0	6.1	.0	6.4	.0	
W	5.0	4.7	.7	.0	.0		11.2	7.6	6.0	10.1	.0	15.4	20.0	
NW	10.3	71.6	6.7	1.0	.0		30.6	11.6	15.1	11.1	15.0	.0	30.7	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
CALM	12.7						12.7	.0	10.6	17.8	13.6	40.0	10.0	
TOT OBS	300	157	96	15	0	666		6.7		101	169	184	312	
TOT PCT	45.0	23.2	14.1	2.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1982-1979

MARCH

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	10.5	11.0	39.8	31.9	6.3	.5	.0	9.6	100.0	191
0600	17.8	9.5	44.4	23.1	4.7	.6	.0	8.4	100.0	169
1200	14.9	10.8	42.8	25.8	4.6	1.0	.0	8.9	100.0	190
1800	9.9	16.3	46.2	23.1	3.2	1.3	.0	8.2	100.0	312
TOT	110	109	378	222	39	8	0	8.7		866
PCT	12.7	12.6	43.6	25.6	4.5	.9	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	12.8	2.8	3.0	1.1		2.3
NE	1.1	.4	.8	.0		3.0
E	1.6	.6	.9	.3		3.1
SE	1.8	.8	.4	.2		2.1
S	2.0	.8	.7	.5		2.9
SW	7.5	1.1	1.0	1.0		3.4
W	6.0	2.0	1.3	.9		2.4
NW	21.5	5.6	7.4	3.3		2.6
VAR	.0	.0	.0	.0		.0
CALM	7.3	2.9	3.3	.2		2.4
TOT OBS	347	106	115	45	613	2.5
TOT PCT	56.6	17.3	18.8	7.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

	000	150	300	400	1000	2000	3500	5000	6500	8000+	NM <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.1	.4	1.1	.2	.7	.1	.2	.2	16.6	
NE	.0	.0	.0	.2	.2	.0	.2	.0	.0	.2	1.7	
E	.2	.0	.0	.0	.2	.2	.0	.0	.0	.2	2.8	
SE	.2	.0	.0	.0	.0	.0	.0	.2	.0	.0	2.9	
S	.0	.0	.0	.2	.2	.0	.3	.0	.0	.2	3.2	
SW	.2	.0	.0	.3	.3	.7	.1	.0	.2	.0	1.8	
W	.0	.0	.0	.3	.3	.1	.1	.0	.0	.0	9.3	
NW	.2	.0	.0	.7	1.8	1.8	1.2	.4	.5	.0	31.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	.0	.2	.8	.3	.3	.0	.2	.0	.0	11.7	
TOT OBS	5	0	2	18	27	20	16	5	5	4	911	613
TOT PCT	.8	.0	.3	2.9	4.4	3.3	2.6	.8	.8	.7	83.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
> OR = 6500	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5
> OR = 5000	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
> OR = 3500	3.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8
> OR = 2000	6.6	8.2	8.2	8.2	8.2	8.2	8.2	8.2
> OR = 1000	10.2	12.3	12.6	12.6	12.6	12.6	12.6	12.6
> OR = 400	12.3	14.7	15.2	15.2	15.2	15.2	15.2	15.2
> OR = 300	12.6	15.0	15.5	15.5	15.5	15.5	15.5	15.5
> OR = 150	12.6	15.0	15.5	15.5	15.5	15.5	15.5	15.5
> OR = 0	12.6	15.3	15.8	15.8	15.8	15.8	15.8	15.8
TOTAL	78	95	98	98	99	100	101	101

TOTAL NUMBER OF OBS: 619

PCT FREQ NM <5/8: 83.7

TABLE 8

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
	53.7	10.7	7.2	7.7	4.8	4.6	4.4	3.5	3.5	.5	637

MARCH

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1882-1979AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.3
	TOT S	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.3
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	TOT S	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.1	.0	.0	.0	.1	.0	.2	.5	.0	.0	.0	1.0
	TOT S	.1	.0	.0	.0	.1	.0	.2	.5	.0	.0	.0	1.0
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	1.6	.0	1.0	.3	.5	1.6	1.0	2.3	.0	2.3	10.0	10.0
	TOT S	1.6	.0	1.0	.3	.5	1.6	1.0	2.3	.0	2.3	10.0	10.0
10+	PCP	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	NO PCP	17.4	2.0	2.6	2.8	3.6	4.1	9.1	34.8	.0	11.7	88.0	88.0
	TOT S	17.5	2.0	2.6	2.8	3.6	4.1	9.1	34.8	.0	11.7	88.0	88.0
TOT OBS													
TOT PCT													
		19.2	2.0	3.7	3.2	4.2	5.7	10.3	37.7	.0	14.0	100.0	700

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.3	
	4-10	.0	.0	.0	.0	.0	.0	.0	.1	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT S	.0	.0	.1	.0	.0	.0	.0	.1	.0	.1	.4	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.1	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT S	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.1	.0	.2	.3	.0		.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.1	.0		.1	
	22+	.1	.0	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT S	.1	.0	.0	.0	.1	.0	.2	.5	.0	.0	1.0	
5<10	0-3	.3	.0	.4	.0	.1	.0	.0	.0	.0	2.2	3.1	
	4-10	.5	.0	.6	.1	.4	.0	.4	.4	.0		3.8	
	11-21	.6	.0	.0	.0	.0	.7	.4	1.5	.0		3.2	
	22+	.2	.0	.0	.0	.0	.0	.0	.2	.0		.4	
	TOT S	1.6	.0	1.0	.1	.5	1.5	1.0	2.3	.0	2.2	10.5	
10+	0-3	2.1	.7	1.1	.6	1.0	.6	1.4	2.3	.0	11.6	21.4	
	4-10	7.6	1.4	1.3	1.8	2.1	2.6	5.7	16.0	.0		38.8	
	11-21	5.6	.4	.1	.4	.4	.8	1.4	13.7	.0		22.8	
	22+	1.4	.0	.0	.0	.0	.1	.0	2.0	.0		4.9	
	TOT S	17.5	2.0	2.6	2.8	3.5	4.1	9.0	34.0	.0	11.6	88.0	
TOT OBS													
TOT PCT													
		19.2	2.0	3.7	3.2	4.2	5.7	10.2	37.0	.0	14.0	100.0	710

MARCH

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1882-1979AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY MET	TOTAL OBS
00003	.6	.0	.0	3.5	4.0	2.9	3.5	1.2	1.7	1.7	19.1	80.9	171
06009	.7	.0	.0	2.6	3.3	2.0	.7	.0	.7	.0	9.9	90.1	151
12015	.6	.0	.6	3.1	5.0	5.0	3.1	1.3	.6	.0	19.4	80.6	160
18021	1.3	.0	.7	2.0	4.6	3.3	2.6	.7	.0	.7	15.8	84.2	152
TOT	5	0	2	18	27	21	16	5	5	4	103	535	636
PCT	.8	.0	.3	2.8	4.2	3.3	2.5	.8	.8	.6	16.2	83.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	1.0	10.4	88.6	193
06009	.6	.0	.0	1.2	9.9	88.3	171
12015	.5	.0	.0	1.5	12.9	85.1	194
18021	.6	.6	.0	.0	8.2	90.6	171
TOT	3	1	0	7	76	642	729
PCT	.4	.1	.0	1.0	10.4	88.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.6	.6	5.3	14.7	80.0	170
06009	.7	.7	3.5	6.3	90.3	144
12015	.6	1.9	5.1	15.3	79.6	157
18021	1.4	2.0	4.3	12.2	83.8	144
TOT	5	8	28	76	515	619
PCT	.8	1.3	4.5	12.5	83.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.2	.0	.0	.0	1	.2
80/84	.0	.0	.0	.7	.3	.0	.2	.2	8	1.3
75/79	.0	.3	.8	1.3	2.4	1.3	1.1	.2	46	7.5
70/74	.0	.3	.5	2.4	9.0	8.5	6.7	1.5	165	26.9
65/69	.0	.2	.7	4.2	7.0	11.4	11.1	7.5	258	42.1
60/64	.0	.0	.0	1.5	4.9	6.2	6.4	2.4	131	21.4
55/59	.0	.0	.0	.0	.3	.3	.0	.0	4	.7
TOTAL	0	5	12	62	145	171	146	72	613	100.0
PCT	.0	.8	2.0	10.1	23.7	27.9	23.8	11.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
80/84	.2	.0	.0	.0	.0	.0	.0	.3	.0	.6
75/79	1.7	.2	.4	.4	.7	.2	.2	1.9	.0	1.8
70/74	5.1	.4	1.9	1.6	1.8	1.5	2.5	8.4	.0	3.8
65/69	8.4	.8	1.0	.9	2.0	2.0	4.3	17.5	.0	5.2
60/64	5.0	.7	.1	.2	.3	1.8	2.2	6.7	.0	2.3
55/59	.0	.2	.0	.0	.0	.0	.2	.3	.0	.0
TOTAL	20.4	2.2	3.4	3.2	4.7	5.6	9.3	37.3	.0	13.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	82	81	79	71	62	61	59	70.8	191
06009	76	74	72	67	62	60	57	67.0	173
12015	75	73	70	65	60	58	55	65.6	198
18021	89	85	80	70	64	61	60	70.6	306
TOT	89	82	77	63	62	60	55	68.8	868

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	20.1	27.7	26.4	17.6	8.2	70	159
06009	.0	7.4	17.4	27.5	29.5	18.1	77	149
12015	.0	6.6	18.1	27.1	32.5	15.7	78	166
18021	.0	18.5	30.5	29.8	15.2	6.0	70	151
TOT	0	82	146	175	149	75	74	625

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1952-1979

MARCH

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	TOT FOG	N FOG	NO FOG
23/25	.0	.0	.0	.0	.2	.2	.0	2	.0	.3
20/22	.0	.0	.0	.3	.0	.0	.0	2	.0	.3
17/19	.0	.0	.0	.2	.0	.0	.2	2	.0	.3
14/16	.0	.0	.0	.3	.2	.2	.3	6	.0	1.0
11/13	.0	.0	.0	.5	.6	.6	.3	14	.0	2.2
9/10	.0	.0	.2	.8	1.1	.6	.5	20	.0	3.2
7/8	.0	.0	.3	1.1	3.2	.5	.0	32	.0	5.1
6	.0	.2	.6	.3	1.1	.2	.0	17	.0	2.7
5	.0	.0	1.3	1.3	1.0	.2	.0	23	.0	3.7
4	.0	.0	.6	2.7	.6	.2	.0	26	.0	4.2
3	.0	.2	1.4	3.4	1.6	.0	.0	41	.0	6.5
2	.0	.6	3.2	2.7	.6	.0	.0	45	.0	7.2
1	.2	1.3	3.5	3.4	.3	.0	.0	54	.2	8.5
0	.2	1.6	5.4	1.9	.3	.2	.0	60	.2	9.4
-1	.0	1.8	2.7	2.2	.0	.0	.0	42	.2	6.5
-2	.5	2.6	4.0	1.9	.5	.0	.0	59	.3	9.1
-3	.2	2.1	1.8	2.4	.2	.0	.0	41	.0	6.5
-4	.3	2.7	2.1	1.4	.2	.0	.0	42	.2	6.5
-5	.3	1.8	2.2	.8	.2	.0	.0	33	.0	5.3
-6	.3	1.4	2.1	.3	.0	.0	.0	24	.0	4.2
-7/-8	.0	2.9	1.0	.3	.0	.0	.0	26	.0	4.2
-9/-10	.0	.6	.2	.3	.0	.0	.0	7	.0	1.1
-11/-13	.2	.3	.2	.0	.0	.0	.0	4	.0	.6
-14/-16	.0	.2	.0	.2	.0	.0	.0	2	.0	.3
TOTAL	13	124	206	180	76	17	8	626	6	620
PCT	2.1	20.1	32.9	28.8	12.1	2.7	1.3	100.0	1.0	99.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
C1	1.4	2.1	.0	.0	.0	.0	3.5	.2	.0	.0	.0	.0	.0	.2
1-2	.8	3.1	2.3	.0	.0	.0	6.2	.0	1.7	.0	.0	.0	.0	1.7
3-4	.0	3.7	.0	.6	.0	.0	4.3	.0	.8	.0	.0	.0	.0	.8
5-6	.0	.0	1.2	.0	.0	.0	1.2	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	2.1	.6	.0	.0	2.7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	8.9	6.2	1.7	.0	.0	19.0	.2	2.5	.2	.0	.0	.0	2.9

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
C1	2.7	1.6	.0	.0	.0	.0	4.3	.2	2.3	.0	.0	.0	.0	2.5
1-2	.0	.0	.0	.0	.0	.0	.0	.8	.8	.0	.0	.0	.0	1.6
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.7	1.6	.0	.0	.0	.0	4.3	1.0	3.1	.8	.0	.0	.0	4.8

PERIOD: (OVER-ALL) 1963-1979

MARCH

TABLE 18 (CONT)

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							SW						
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.9	.0	.0	.0	.0	3.9	.0	1.6	.4	.0	.0	.0	2.3
1-2	.0	.0	1.4	.0	.0	.0	1.4	.0	.0	.4	.0	.0	.0	.4
3-4	.0	.4	.0	.0	.0	.0	.4	.0	.4	.8	.0	.0	.0	1.2
5-6	.0	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.5	2.1	.0	.0	.0	6.6	.0	1.9	1.9	.0	.0	.0	3.9

HGT	S							NW							TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	1.4	1.2	.0	.0	.0	.0	2.6	.4	4.5	.0	.0	.0	.0	4.8	83.7
1-2	1.4	2.7	1.4	.0	.0	.0	5.4	.2	6.4	3.9	.0	.0	.0	10.5	
3-4	.0	2.7	1.4	.0	.0	.0	4.3	.0	5.0	2.3	.2	.0	.0	7.6	
5-6	.0	.0	1.4	.0	.0	.0	1.4	.0	.8	1.4	.8	.0	.0	3.5	
7	.0	.0	.4	.0	.0	.0	.4	.0	.0	.4	.2	.0	.0	.6	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.8	.0	.0	1.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.7	6.6	4.8	.0	.0	.0	14.1	.6	16.7	8.7	2.1	.0	.0	28.1	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	22.3	17.7	.8	.0	.0	.0	40.8	130
1-2	3.1	14.6	9.2	.0	.0	.0	26.9	
3-4	.0	13.1	5.4	.8	.0	.0	19.2	
5-6	.0	.8	5.4	.8	.0	.0	6.9	
7	.0	.0	3.1	.8	.0	.0	3.8	
8-9	.0	.0	.0	.8	.0	.0	.8	
10-11	.0	.0	.8	.8	.0	.0	1.5	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	25.4	46.2	24.6	3.8	.0	.0	100.0	

PERIOD: (OVER-ALL) 1951-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	10.9	22.4	18.0	6.7	3.5	.5	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	380	3
6-7	.0	3.9	3.5	2.4	1.2	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	69	4
8-9	.2	.2	1.5	.5	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	4
10-11	.0	.0	.7	.0	.2	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
12-13	.0	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	4
13	.0	.0	.0	.2	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
INDEX	17.1	.5	.7	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	114	0
TOTAL	148	140	152	61	37	8	3	2	4	0	0	0	0	0	0	0	0	0	0	595	5
PCT	28.2	26.9	25.5	10.3	6.2	1.3	.5	.3	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1881-1979AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	NO STG WFA
N	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	8.0	.0	90.9
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	7.5	.0	91.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	.0	8.1	.0	82.4
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.2	.0	89.8
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	2.5	.0	8.9	.0	83.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	99.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	.0	96.9
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	3.7	.0	95.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	.0	93.7
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.7	.0	5.5	.0	93.3
TOT OBS:	613														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	NO STG WFA
0000Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	8.0	.0	90.8
0600Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	.0	96.1
1201Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	97.7
1802Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	9.3	.0	88.7
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.6	.0	5.6	.0	93.3
TOT OBS:	626														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	49+					00	01	06	09	12	15	18	21
N	1.9	5.2	5.2	.6	.0	.0	.0	12.9	10.4	16.3	28.6	10.5	.0	12.4	14.1	11.4	.0		
NE	.7	1.6	.3	.1	.0	.0	.0	2.7	7.1	1.5	.0	1.8	.0	4.1	6.5	2.8	.0		
E	.9	2.5	.1	.0	.0	.0	.0	3.5	5.4	4.4	.0	.0	.0	3.6	2.2	4.7	.0		
SE	2.8	5.6	1.0	.0	.0	.0	.0	9.4	6.6	11.0	.0	8.5	50.0	9.0	8.7	8.9	.0		
S	1.6	3.8	1.0	.0	.0	.0	.0	6.5	6.7	5.4	28.6	8.1	.0	5.2	4.3	6.8	.0		
SW	1.5	3.1	.9	.1	.0	.0	.0	5.5	7.2	5.9	14.3	4.1	.0	2.6	5.4	5.4	.0		
W	2.9	7.3	2.3	.4	.0	.0	.0	12.9	7.6	12.7	14.3	12.7	.0	13.6	19.6	12.0	.0		
NW	6.2	15.9	10.7	1.8	.0	.0	.0	34.6	9.8	32.1	14.3	32.7	50.0	34.7	34.8	38.0	100.0		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	12.1							12.1	.0	10.4	.0	14.7	.0	14.5	4.3	9.9	.0		
TOT OBS	204	303	145	20	0	0	0	672	7.5	166	7	126	2	145	23	207	1		
TOT PCT	30.4	45.1	21.6	3.0	.0	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+	42+	43+					00	06	12	18
N	4.4	6.8	1.6	.1	.0	.0	.0	12.9	10.4	16.8	10.4	12.4	11.3		
NE	1.8	.7	.2	.0	.0	.0	.0	2.7	7.1	1.4	1.8	4.6	2.8		
E	2.6	.9	.0	.0	.0	.0	.0	3.5	5.4	4.2	.8	3.4	4.7		
SE	5.5	3.7	.1	.0	.0	.0	.0	9.4	6.6	10.5	9.2	8.9	8.9		
S	3.9	2.3	.3	.0	.0	.0	.0	6.5	6.7	6.4	8.0	5.1	6.8		
SW	2.8	2.5	.3	.0	.0	.0	.0	5.5	7.2	6.2	8.0	3.0	5.4		
W	6.7	5.2	.9	.0	.0	.0	.0	12.9	7.6	12.7	12.5	14.4	11.9		
NW	14.1	15.5	4.2	.8	.0	.0	.0	34.6	9.8	31.4	33.0	34.7	38.1		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	12.1							12.1	.0	10.4	14.4	13.1	9.9		
TOT OBS	362	253	51	6	0	0	0	672	7.5	173	128	168	203		
TOT PCT	53.9	37.6	7.6	.9	.0	.0	.0	100.0		100.0	100.0	100.0	100.0		

APRIL

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1881-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				NO.	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-31	34-47	50+				
0000	10.4	19.1	45.7	21.4	3.5	.0	.0	7.0	100.0	171	
0600	16.4	12.6	44.5	25.0	1.6	.0	.0	7.0	100.0	170	
1215	13.1	19.6	47.6	16.7	3.0	.0	.0	6.9	100.0	160	
1823	9.9	20.2	42.9	23.6	3.4	.0	.0	7.0	100.0	203	
TOT	81	123	303	145	20	0	0	7.5		672	
PCT	12.1	18.3	45.1	21.6	3.0	.0	.0		100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	9.3	2.1	2.1	.0		2.0
NE	1.6	.0	.7	.0		1.7
E	1.4	.4	1.1	.2		3.7
SE	4.2	1.1	2.3	.6		2.9
S	2.7	1.0	1.5	.0		2.6
SW	2.0	.0	1.1	.4		3.2
W	0.6	1.6	2.6	.5		2.1
NW	23.3	4.0	6.8	1.1		2.1
VAR	.0	.0	.0	.0		.0
CALM	11.4	1.2	2.0	.0		1.3
TOT OBS	317	60	99	16	492	2.2
TOT PCT	64.4	12.2	20.1	3.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM (<5/8 BY WIND DIRECTION

000	100	100	600	1000	2000	3500	5000	6500	8000+	NM (<5/8	TOTAL
100	200	500	600	1000	1000	4000	6000	7000		ANY 4/8	OBS
.0	.0	.0	.0	.4	.2	.2	.2	.2	.0	12.9	
.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	2.0	
.2	.0	.0	.0	.6	.0	.0	.0	.0	.0	2.1	
.0	.0	.0	.2	.7	.0	.4	.2	.1	.0	6.6	
.0	.0	.0	.0	.2	.0	.0	.2	.3	.0	4.5	
.0	.0	.0	.0	.6	.1	.2	.0	.0	.0	3.4	
.0	.0	.0	.0	.2	.4	.4	.3	.2	.0	11.7	
.0	.0	.2	.6	.9	.8	1.2	.6	.1	.6	30.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.4	.2	.0	.4	.0	13.6	
1	0	1	4	10	10	13	7	6	3	429	492
.2	.0	.2	.8	3.7	2.0	2.6	1.4	1.2	.6	87.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >5000	= OR >0
= OR >6500	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
= OR >5000	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
= OR >3500	5.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6
= OR >2000	7.4	7.6	7.6	7.6	7.6	7.6	7.6	7.6
= OR >1000	10.0	11.4	11.4	11.4	11.4	11.4	11.4	11.4
= OR >600	11.0	12.4	12.4	12.4	12.4	12.4	12.4	12.4
= OR >100	11.2	12.6	12.6	12.6	12.6	12.6	12.6	12.6
= OR >150	11.2	12.6	12.6	12.6	12.6	12.6	12.6	12.6
= OR >0	11.2	12.6	12.6	12.6	12.6	12.6	12.6	12.6
TOTAL	56	63	63	63	63	64	64	64

TOTAL NUMBER OF OBS: 500

PCT FREQ NM (<5/8): 87.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
57.2	8.9	9.1	7.6	4.5	2.5	4.1	3.9	1.9	.2	514

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1981-1979

APRIL

AREA 0003 GULF OF CALIFORNIA
79.64 110.36

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
	TOT B	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	1.1	.1	.6	1.6	2.5	1.1	1.7	1.4	.0	.0	.0	12.5
	TOT B	1.1	.1	.6	1.6	2.5	1.1	1.7	1.4	.0	.0	.0	12.5
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	12.6	2.5	2.3	7.1	7.9	4.4	11.2	10.4	.0	.0	.0	67.4
	TOT B	12.6	2.5	2.3	7.1	7.9	4.4	11.2	10.4	.0	.0	.0	67.4
TOT OBS		609											
TOT PCT		19.0	2.8	3.0	9.7	6.5	5.5	12.9	15.9	.0	19.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.2	.0	.2	.3	.7	.2	.2	.7	.0	.0	.2	2.6
	4-10	.1	.2	.4	1.3	1.4	.9	.9	1.5	.0	.0	.0	6.7
	11-21	.7	.1	.0	.0	.5	.0	.4	1.1	.0	.0	.0	2.8
	22+	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3
	TOT B	1.1	.3	.6	1.6	2.5	1.1	1.7	3.4	.0	.0	.2	12.4
10+	0-3	1.0	.7	.5	1.9	.8	1.1	2.6	5.0	.0	.0	.0	27.2
	4-10	5.4	1.4	1.7	4.2	2.5	2.3	6.2	14.5	.0	.0	.0	38.1
	11-21	4.0	.2	.2	1.1	.7	.9	2.1	9.5	.0	.0	.0	19.5
	22+	.5	.2	.0	.0	.0	.0	.3	1.6	.0	.0	.0	2.6
	TOT B	12.6	2.5	2.3	7.2	3.9	4.3	11.2	30.6	.0	.0	.0	87.4
TOT OBS		611											
TOT PCT		19.7	2.7	3.0	8.8	6.5	5.5	12.6	16.0	.0	12.9	100.0	

APRIL

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1901-1979AREA 0005 GULF OF CALIFORNIA
25.00 110.50

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM (5/8) BY HOUR

HOUR (GMT)	000 100	150 200	300 500	400 600	1000 1000	2000 3000	3500 4000	5000 6000	6500 7000	8000+	TOTAL	NM (5/8 ANY NM)	TOTAL OBS
0000	.0	.0	.0	3.5	2.0	1.4	2.1	2.1	2.0	.0	14.6	85.4	100
0600	.0	.0	.0	.0	1.6	3.6	3.6	.0	.0	.0	10.7	89.3	112
1200	.0	.0	.0	.0	3.9	1.6	3.1	1.6	.0	.0	10.9	89.1	120
1800	.0	.0	.0	.0	4.6	1.5	1.5	1.5	.0	2.1	13.0	86.7	130
TOT	1	0	1	5	19	10	11	7	6	3	65	400	514
PCT	.2	.0	.2	1.0	3.7	1.9	2.5	1.4	1.2	.6	12.0	87.4	100.0

TABLE 11

PERCENT FREQUENCY VSOY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.0	.0	.0	.0	9.7	90.3	175
0600	.0	.0	.0	.0	7.9	92.1	127
1200	.0	.0	.0	.0	19.7	80.3	173
1800	.7	.0	.0	.0	12.7	86.7	150
TOT	1	0	0	0	80	949	625
PCT	.2	.0	.0	.0	12.8	87.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSOY (NM) AND/OR
CEILING HGT (FEET, NM) 5/8, BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM (5/8 AND 5+)	TOTAL OBS
0000	.0	.0	3.5	11.1	85.2	102
0600	.0	.0	.0	11.1	88.9	108
1200	.0	.0	.0	11.3	88.7	124
1800	.0	1.6	1.6	11.9	86.5	126
TOT	1	2	7	57	436	600
PCT	.2	.4	1.4	11.4	87.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
05/89	.0	.2	.0	.0	.2	.0	.0	.0	2	.4
00/84	.0	.2	.6	1.7	1.7	1.5	.2	.4	30	6.3
75/79	.0	.2	1.3	2.4	3.1	6.5	2.5	.4	79	16.5
70/74	.0	.0	.6	3.1	9.0	8.4	11.0	8.1	195	40.6
65/69	.0	.0	.0	.6	6.5	7.1	8.5	6.2	129	26.9
60/64	.0	.0	.0	.6	1.3	1.7	2.7	1.5	37	7.7
55/59	.0	.0	.0	.0	.0	.2	1.3	.2	8	1.7
TOTAL	0	1	12	41	104	122	126	72	480	100.0
PCT	.0	.6	2.5	8.5	21.7	25.4	26.3	15.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.2	.0	.0	.0	.0	.0	.2	.0	.0	.0
.3	.3	.5	.0	.5	.3	1.0	.9	.0	1.7
2.0	.2	.7	2.9	.7	.6	1.6	4.6	.0	2.5
5.4	1.3	1.7	3.8	2.7	1.9	4.6	12.9	.0	6.5
4.4	.0	.2	1.4	.9	1.3	3.9	12.0	.0	2.1
1.0	.4	.2	.3	.0	.3	.5	4.1	.0	.2
.2	.0	.0	.0	.0	.0	.2	1.4	.0	.0
15.1	2.9	3.2	9.2	4.7	4.2	12.0	15.9	.0	12.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	89	86	82	74	64	59	58	74.3	176
0600	77	76	75	70	63	59	59	69.5	131
1200	77	75	74	69	61	58	58	68.4	174
1800	88	87	82	73	64	60	58	73.1	206
TOT	89	84	80	71	63	59	56	71.5	681

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	16.4	28.8	27.2	15.2	10.4	71	125		
0600	.0	3.5	15.7	20.9	39.1	20.9	80	115		
1200	.0	10.5	12.9	21.8	31.5	23.4	78	124		
1800	.0	15.6	28.0	32.0	19.2	7.2	72	125		
TOT	0	57	104	125	127	75	75	489		

APRIL

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1961-1979AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	% FOG	NO FOG
20/22	.0	.0	.0	.0	.0	.0	.2	.0	.0	1	.0	.2
17/19	.0	.0	.0	.0	.0	.0	.2	.0	.0	1	.0	.2
14/16	.0	.0	.0	.0	.0	.0	.2	.7	.3	7	.0	1.2
11/13	.0	.0	.0	.2	.0	.3	1.0	.2	.2	11	.0	1.8
9/10	.0	.0	.0	.0	.2	.5	.7	.3	.0	10	.0	1.7
7/8	.0	.0	.0	.3	.2	1.2	1.8	.8	.0	26	.0	4.3
6	.0	.0	.0	.2	.3	.7	1.0	1.0	.0	19	.0	3.2
5	.0	.0	.0	.3	1.2	2.0	1.7	.0	.0	31	.0	5.1
4	.0	.0	.2	.8	1.0	3.0	1.3	.2	.0	39	.2	6.3
3	.0	.2	.0	1.0	1.2	2.8	1.2	.3	.0	40	.0	6.6
2	.0	.0	.2	.5	2.8	3.3	1.7	.0	.0	51	.0	8.5
1	.0	.0	.7	.7	2.2	3.5	.5	.0	.0	44	.0	7.3
0	.0	.0	.8	1.2	5.6	1.7	.3	.0	.0	57	.0	9.5
-1	.2	.5	.7	1.5	5.0	1.3	.0	.0	.0	55	.2	9.0
-2	.0	.5	.8	2.5	4.2	1.3	.0	.0	.0	56	.2	9.1
-3	.0	.0	.2	2.5	3.3	.2	.0	.0	.0	37	.2	6.0
-4	.0	.3	.8	2.8	3.5	.2	.0	.0	.0	46	.0	7.6
-5	.0	.0	.8	2.5	2.0	.0	.0	.0	.0	32	.0	5.3
-6	.0	.2	.7	1.7	.3	.2	.0	.0	.0	18	.0	3.0
-7/-8	.0	.0	.8	1.5	.3	.0	.0	.0	.0	16	.0	2.7
-9/-10	.0	.0	.2	.2	.0	.2	.0	.0	.0	3	.0	.5
-11/-13	.0	.2	.2	.0	.0	.0	.0	.0	.0	2	.0	.3
TOTAL	1	11	42	122	199	134	69	3	3	602	.7	598
PCT	.2	1.8	7.0	20.3	33.1	22.3	11.5	3.5	.5	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
41	.0	4.5	1.3	.0	.0	.0	5.8	.3	2.6	.0	.0	.0	.0	2.9
1-2	.0	1.3	1.3	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0
3-4	.0	2.9	4.2	1.0	.0	.0	8.1	.0	.0	.0	1.3	.0	.0	1.3
5-6	.0	.0	7.8	.0	.0	.0	7.8	.0	.0	.3	.0	.0	.0	.3
7	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	1.3	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.1	14.6	1.9	.0	.0	26.6	.3	2.6	.3	1.3	.0	.0	4.5

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
41	1.0	1.0	.0	.0	.0	.0	1.9	.3	.3	.0	.0	.0	.0	.6
1-2	.0	1.0	.0	.0	.0	.0	1.0	.0	2.3	.0	.0	.0	.0	2.3
3-4	.0	1.3	.0	.0	.0	.0	1.3	1.3	3.9	.0	.0	.0	.0	5.2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	3.2	.0	.0	.0	.0	4.2	1.6	6.5	.0	.0	.0	.0	8.1

PERIOD: (OVER-ALL) 1963-1979

APRIL

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S								SW							
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	1.0	.0	.0	.0	.0	.0	1.0		.0	1.3	.0	.0	.0	.0	1.3	
1-2	.0	1.9	.0	.0	.0	.0	1.9		.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	1.3	.0	.0	.0	1.3		.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.0	1.9	1.3	.0	.0	.0	4.2		.0	1.3	.0	.0	.0	.0	1.3	

HGT	W								NW								TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	1.0	.0	.0	.0	.0	.0	.0		.0	.6	.0	.0	.0	.0	.6		
1-2	1.0	2.3	3.2	.0	.0	.0	6.5		1.6	5.5	.6	.0	.0	.0	7.8		
3-4	.0	1.3	.0	.0	.0	.0	1.3		.0	2.3	3.6	1.6	.0	.0	7.5		
5-6	.0	.0	.0	.0	.0	.0	.0		.0	1.3	4.9	.0	.0	.0	6.2		
7	.0	.0	1.0	.0	.0	.0	1.0		.0	.0	1.6	.3	.0	.0	1.9		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	1.3	.0	.0	.0	1.3		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
TOT PCT	1.0	3.6	4.2	.0	.0	.0	8.8		1.6	9.7	12.0	1.9	.0	.0	25.2	84.4	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	18.2	10.4	1.3	.0	.0	.0	29.9	
1-2	2.6	14.3	5.2	.0	.0	.0	22.1	
3-4	1.3	11.7	9.1	3.9	.0	.0	26.0	
5-6	.0	1.3	13.0	.0	.0	.0	14.3	
7	.0	.0	2.6	1.3	.0	.0	3.9	
8-9	.0	1.3	1.3	.0	.0	.0	2.6	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	22.1	40.3	32.5	5.2	.0	.0	100.0	77

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	13.5	25.2	19.3	7.1	2.3	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	298	2
6-7	.0	2.6	4.1	1.6	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	42	4
8-9	.0	.7	.7	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	4
10-11	.0	.5	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
12-13	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
13	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
19-21	19.6	1.4	.2	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	74	0
TOTAL	127	133	106	44	19	5	1	0	1	0	0	0	0	0	0	0	0	0	0	436	2
PCT	29.1	30.5	24.3	10.1	4.4	1.1	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1880-1979

MAY

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	BLWG DUST	SPRAY	NO SIG WFA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.6	.0	.0	88.4
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.1	.0	15.2	.0	.0	72.7
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.3	.0	.0	86.7
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	11.0	2.0	.0	86.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.7	1.7	.0	83.6
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	.0	.0	94.6
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	.0	4.5	.0	.0	91.9
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.2	.0	5.1	.0	94.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	15.4	.0	81.5
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.8	.4	9.5	.6	.0	88.6
TOT OBS:	526															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	BLWG DUST	SPRAY	NO SIG WFA
0000Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5	1.4	.0	87.2
0600Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	11.3	.0	.0	87.8
1200Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7	.0	3.7	.0	.0	94.9
1800Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.5	11.2	.7	.0	85.1
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.8	.4	9.4	.6	.0	88.7
TOT OBS:	533															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)									
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21		
N	.9	3.8	1.5	.1	.0	.0		6.3	8.4	8.7	.0	5.4	.0	5.7	.0	5.4	.0			
NE	1.0	1.3	.9	.0	.0	.0		2.6	6.2	1.7	.0	1.1	.0	2.5	.0	4.0	.0			
E	1.9	2.9	.8	.0	.0	.0		5.1	5.7	5.7	.0	5.7	.0	2.7	25.0	5.2	.0			
SE	3.1	12.3	3.5	.0	.0	.0		19.0	7.4	22.6	100.0	17.2	.0	11.9	.0	21.8	.0			
S	3.0	7.5	1.6	.0	.0	.0		12.1	6.8	12.5	.0	13.0	.0	8.8	.0	13.7	.0			
SW	2.5	5.8	.4	.0	.0	.0		8.9	5.8	5.1	.0	4.4	.0	11.7	15.6	11.6	.0			
W	1.7	5.6	1.6	.0	.0	.0		9.0	6.9	8.0	.0	12.4	.0	12.3	21.9	7.0	.0			
NW	3.4	14.1	7.4	.0	.0	.0		24.9	8.7	27.4	.0	25.7	.0	31.8	25.0	19.3	.0			
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CALM	12.1							12.1	.0	10.3	.0	14.8	.0	12.5	12.5	11.6	.0			
TOT OBS	186	333	110	1	0	0	630		6.5	146	1	115	0	128	8	232	0			
TOT PCT	29.5	52.9	17.5	.2	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0			

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40						00	06	12	18	21
N	3.4	2.2	.6	.1	.0		6.3	8.4	8.7	5.4	5.3	5.8		
NE	1.7	.7	.2	.0	.0		2.6	6.2	1.7	1.1	2.4	4.0		
E	1.7	1.4	.0	.0	.0		5.1	5.7	5.7	8.4	5.7	4.0	5.2	
SE	9.2	8.9	.8	.0	.0		19.0	7.4	22.6	17.2	11.2	21.8		
S	6.7	5.0	.4	.0	.0		12.1	6.8	12.5	13.0	6.3	13.7		
SW	5.6	3.1	.2	.0	.0		8.9	5.8	5.1	4.8	11.9	11.6		
W	4.8	4.2	.0	.0	.0		9.0	6.9	8.0	12.4	12.9	7.0		
NW	11.0	11.6	2.3	.0	.0		24.9	8.7	27.2	25.7	31.4	19.3		
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		
CALM	12.1						12.1	.0	10.2	14.8	12.5	11.6		
TOT OBS	367	234	28	1	0	630		6.5	147	115	136	232		
TOT PCT	58.3	37.1	4.4	.2	.0		100.0		100.0	100.0	100.0	100.0		

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1989-1979

MAY

AREA 0003 GULF OF CALIFORNIA
25.0N 110.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	10.2	10.2	99.9	19.0	.7	.0	.0	7.0	100.0	147
0600	14.0	17.4	90.4	17.4	.0	.0	.0	6.3	100.0	115
1200	12.5	16.4	90.7	16.4	.0	.0	.0	6.6	100.0	136
1800	11.6	21.6	90.9	18.9	.0	.0	.0	6.2	100.0	232
TOT	76	110	333	110	1	0	0	6.5		630
PCT	12.1	17.5	52.9	17.5	.2	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.9	1.3	1.6	.0		2.2
NE	.9	.3	.4	.2		3.5
E	3.3	.8	.4	.0		1.2
SE	11.1	3.3	4.3	.7		2.3
S	8.4	1.2	1.1	.5		1.6
SW	5.3	.8	1.0	.5		1.9
W	5.8	2.2	1.0	.5		2.1
NW	17.5	4.3	4.5	.9		2.1
VAR	.0	.0	.0	.0		.0
CALM	9.2	2.7	.4	.2		1.3
TOT OBS	311	81	70	17	479	1.9
TOT PCT	64.9	16.9	14.6	3.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NM <5/8	TOTAL
	149	299	599	999	1999	3999	4999	6999	7999		ANY HGT	OBS
N	.0	.0	.0	.0	.4	.0	.0	.0	.0	.2	6.2	
NE	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
E	.0	.2	.0	.0	.0	.0	.2	.0	.0	.0	4.1	
SE	.0	.1	.3	.2	.5	.2	.6	.2	.0	.5	16.9	
S	.0	.0	.2	.4	.3	.0	.0	.0	.0	.2	10.1	
SW	.0	.0	.0	.1	.3	.0	.0	.1	.0	.2	6.9	
W	.2	.0	.0	.2	.2	.4	.2	.0	.0	.5		
NW	.1	.0	.0	1.5	.3	.5	.3	.2	.0	.3	24.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.2	.0	.0	.0	.2	.0	.0	12.1	
TOT OBS	2	1	2	11	9	4	7	4	0	6	433	479
TOT PCT	.4	.2	.4	2.3	1.9	.8	1.5	.8	.0	1.3	90.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >5000	= OR >0
= OR >6500	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
= OR >5000	1.9	1.9	2.1	2.1	2.1	2.1	2.1	2.1
= OR >3500	3.1	3.1	3.5	3.5	3.5	3.5	3.5	3.5
= OR >2000	3.8	4.0	4.2	4.2	4.2	4.2	4.2	4.2
= OR >1000	5.9	6.1	6.3	6.3	6.3	6.3	6.3	6.3
= OR >600	7.9	8.6	8.8	8.8	8.8	8.8	8.8	8.8
= OR >300	7.9	9.0	9.2	9.2	9.2	9.2	9.2	9.2
= OR >150	8.2	9.2	9.4	9.4	9.4	9.4	9.4	9.4
= OR >0	8.2	9.4	9.6	9.6	9.6	9.6	9.6	9.6
TOTAL	39	45	46	46	46	46	47	47

TOTAL NUMBER OF OBS: 478

PCT FREQ NM <5/8: 90.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
	60.7	0.5	0.1	7.3	5.1	3.8	2.0	2.0	2.0	44

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1889-1979

MAY

AREA 0003 GULF OF CALIFORNIA
28.6N 110.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
	TOT %	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.3	.4	.1	1.4	1.4	.0	1.2	2.4	.0	1.3	8.6	8.6
	TOT %	.3	.4	.1	1.4	1.4	.0	1.2	2.4	.0	1.3	8.6	8.6
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	6.7	1.0	4.5	17.1	9.9	8.0	8.2	24.4	.0	10.7	90.6	90.6
	TOT %	6.7	1.0	4.5	17.1	9.9	8.0	8.2	24.4	.0	10.7	90.6	90.6
TOT OBS													523
TOT PCT		7.0	1.6	4.7	18.5	11.4	8.0	9.5	26.9	.0	12.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	.0	.2	.1	.0	.6	.4	.0	1.3	2.7	2.7
	4-10	.1	.0	.1	.6	.9	.0	.5	1.0	.0	.0	3.4	3.4
	11-21	.1	.4	.0	.6	.3	.0	.2	1.0	.0	.0	2.7	2.7
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.3	.4	.1	1.4	1.4	.0	1.2	2.4	.0	1.3	8.7	8.7
10+	0-3	.9	.3	1.5	2.5	2.7	2.1	1.5	3.2	.0	10.8	25.4	25.4
	4-10	4.0	.6	2.2	11.4	6.0	5.2	5.2	14.3	.0	.0	48.9	48.9
	11-21	1.7	.0	.9	3.1	1.2	.7	1.0	6.7	.0	.0	14.1	14.1
	22+	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
	TOT %	6.7	.9	4.6	17.0	9.8	8.0	8.5	24.2	.0	10.8	90.6	90.6
TOT OBS													528
TOT PCT		7.0	1.6	4.8	18.4	11.3	8.0	9.7	26.8	.0	12.5	100.0	

MAY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1989-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 100	150 200	300 300	600 900	1000 1000	2000 3000	3500 4000	5000 6000	6500 7000	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000Z	.7	.0	.7	3.7	3.0	2.2	2.2	.0	.0	1.5	14.1	85.9	135
0600Z	.0	.0	.0	1.9	1.9	1.0	1.9	.0	.0	.0	6.7	93.3	105
1201Z	.0	.0	.0	3.1	1.6	.0	.0	.0	.0	1.6	7.0	92.2	129
1802Z	.0	.0	.0	.0	1.6	.0	1.6	2.4	.0	1.6	9.0	90.2	123
TOT PCT	2 .4	1 .2	2 .4	12 2.4	10 2.0	4 .8	7 1.4	4 .8	0 .0	6 1.2	48 9.0	493 90.2	493 100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000Z	.0	.0	.0	.0	5.4	94.6	147
0600Z	.0	.0	.0	.0	12.4	87.6	113
1201Z	.7	.0	.0	1.4	7.7	90.6	139
1802Z	.0	.0	.0	.7	10.4	88.9	135
TOT PCT	1 .2	0 .0	0 .0	3 .6	46 8.6	484 90.6	534 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000Z	.0	1.5	5.3	8.4	86.3	131
0600Z	.0	.0	2.0	5.0	93.1	101
1201Z	.0	.0	4.8	4.0	91.2	129
1802Z	.0	1.7	3.3	6.6	90.1	121
TOT PCT	2 .4	5 1.0	19 4.0	29 6.1	430 90.0	478 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.4	.2	.2	.0	.0	4	.9
85/89	.0	.0	.2	.4	.7	.7	.0	.0	9	2.0
80/84	.0	.2	.7	1.5	5.9	6.4	2.4	2.0	87	19.1
75/79	.0	.0	.2	3.3	4.8	10.1	9.4	4.8	149	32.7
70/74	.0	.0	.2	.7	5.5	9.4	11.4	6.1	152	33.3
65/69	.0	.0	.0	.0	1.1	2.0	2.9	2.0	36	7.9
60/64	.0	.0	.0	.0	.2	.9	1.5	1.1	17	3.7
55/59	.0	.0	.0	.0	.0	.0	.2	.2	2	.4
TOTAL	0	1	6	29	64	135	127	74	456	100.0
PCT	.0	.2	1.3	6.4	18.4	29.6	27.9	16.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALN
90/94	.0	.0	.0	.1	.3	.0	.0	.2	.0	.2
85/89	.2	.0	.2	.0	.0	.7	.0	.5	.0	.4
80/84	1.0	.3	.9	4.1	1.3	.7	1.3	5.1	.0	3.7
75/79	2.8	.6	2.7	9.2	3.9	2.4	1.6	4.8	.0	4.8
70/74	2.0	.1	1.2	4.4	4.7	3.8	4.6	9.9	.0	3.1
65/69	1.0	.0	.0	.9	.2	.0	1.3	2.9	.0	.9
60/64	.0	.0	.0	.0	.0	.2	.4	2.9	.0	.2
55/59	.2	.0	.0	.0	.0	.0	.3	.0	.0	.0
TOTAL	7.9	.9	5.1	10.7	10.4	8.2	9.1	26.3	.0	13.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	98	89	84	78	66	62	60	77.9	107
0600Z	86	83	79	74	64	58	58	73.4	116
1201Z	85	83	79	72	63	59	58	71.7	138
1802Z	93	90	85	77	70	64	63	77.4	225
TOT	93	88	84	76	66	61	58	75.5	626

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	10.4	23.5	22.2	23.5	10.4	74	115
0600Z	.0	1.9	13.9	25.0	30.9	28.4	81	100
1201Z	.0	5.8	10.8	25.0	35.0	22.5	80	120
1802Z	.0	12.5	25.8	33.3	15.0	12.5	73	120
TOT	0	36	84	135	130	76	77	463

MAY
 PERIOD: (PRIMARY) 1953-1979
 (OVER-ALL) 1953-1979
 AREA 0003 GULF OF CALIFORNIA
 25.6N 110.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE IDEG F AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE IDEG F

AIR-SEA TMP DIF	57	61	65	69	73	77	81	85	89	>92	TOT	N FOG	NO FOG
20/22	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	2	.0	.4
17/19	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	1	.0	.2
14/16	.0	.0	.0	.0	.0	.4	.2	.4	.0	.0	5	.0	1.0
11/13	.0	.0	.0	.0	.8	.6	.8	.0	.2	.0	12	.0	2.4
9/10	.0	.0	.0	.0	.4	.8	1.0	.2	.4	.2	14	.0	3.2
7/8	.0	.0	.0	.2	.4	1.0	2.0	.4	.2	.0	22	.0	4.5
6	.0	.0	.0	.2	1.0	.8	1.8	.0	.0	.0	19	.0	3.8
5	.0	.4	.0	.0	.2	1.6	2.0	.0	.0	.0	21	.2	4.0
4	.2	.0	.0	.0	.6	1.6	1.4	.0	.0	.0	19	.0	3.8
3	.0	.0	.2	.0	1.4	2.2	.8	.2	.0	.0	24	.2	4.7
2	.0	.2	.2	.6	2.0	3.8	1.4	.2	.2	.0	43	.2	8.5
1	.0	.2	.0	.8	2.4	4.2	.8	.0	.0	.0	42	.0	8.5
0	.0	.8	.2	1.8	4.2	2.2	1.0	.0	.0	.0	52	.2	10.3
-1	.0	.4	.4	2.4	2.8	1.0	.2	.0	.0	.0	17	.0	7.5
-2	.0	.2	.4	1.8	3.2	.6	.0	.0	.0	.0	31	.0	6.3
-3	.2	.6	.6	2.8	3.6	1.0	.0	.0	.0	.0	44	.0	8.9
-4	.0	.2	.8	2.8	1.8	.4	.0	.0	.0	.0	30	.0	6.1
-5	.2	.0	.6	2.4	2.8	.6	.0	.0	.0	.0	33	.0	6.7
-6	.0	.0	.8	1.8	.6	.2	.0	.0	.0	.0	17	.0	3.4
-7/-8	.0	.0	.8	.4	.4	.0	.2	.0	.0	.0	10	.0	2.0
-9/-10	.0	.2	.6	.4	.2	.0	.0	.0	.0	.0	4	.0	1.4
-11/-13	.2	.2	.0	.0	.4	.0	.0	.0	.0	.0	4	.0	.8
-14/-16	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	2	.0	.4
TOTAL	4	10	95	115	9	1	494				494	.8	99.2
PCT	.8	3.6	5.9	19.2	30.0	23.3	14.2	1.6	1.0	.2	100.0	.8	99.2

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
CL	1.0	1.9	.0	.0	.0	.0	2.9	.0	.3	.0	.0	.0	.0	.0	.0	.3
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	1.3
3-4	.0	2.2	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	2.9	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	4.2	2.9	1.0	.0	.0	9.0	.0	.3	1.3	.0	.0	.0	.0	.0	1.6

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
CL	1.0	.0	.0	.0	.0	.0	1.0	.3	6.4	.0	.0	.0	.0	.0	.0	6.7
1-2	.0	3.2	.0	.0	.0	.0	3.2	1.3	18.3	1.3	.0	.0	.0	.0	.0	12.8
3-4	.0	.0	.0	.0	.0	.0	.0	.3	.0	1.3	.0	.0	.0	.0	.0	1.6
5-6	.0	1.0	.0	.0	.0	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	4.2	.0	.0	.0	.0	5.1	1.9	17.0	2.6	.0	.0	.0	.0	.0	21.5

PERIOD: (OVER-ALL) 1963-1979

MAY

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S								SW								PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.0	1.3	.0	.0	.0	.0	1.3		.0	2.6	.0	.0	.0	.0	.0	2.6	
1-2	.0	3.2	.0	.0	.0	.0	3.2		.0	2.9	1.6	.0	.0	.0	.0	4.5	
3-4	1.0	2.6	.0	.0	.0	.0	3.5		.0	.3	.0	.0	.0	.0	.0	.3	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.0	7.1	.0	.0	.0	.0	8.0		.0	5.6	1.6	.0	.0	.0	.0	7.4	

HGT	M								NW								TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.0	1.9	.0	.0	.0	.0	1.9		4.2	2.2	.0	.0	.0	.0	.0	6.4	
1-2	.0	3.2	1.0	.0	.0	.0	4.2		.0	4.2	1.3	.0	.0	.0	.0	5.4	
3-4	.0	2.2	.0	.0	.0	.0	2.2		.0	1.6	3.0	.0	.0	.0	.0	4.6	
5-6	.0	1.3	.0	.0	.0	.0	1.3		.0	.0	1.0	.0	.0	.0	.0	2.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	2.6	.0	.0	.0	.0	2.6	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	8.7	1.0	.0	.0	.0	9.6		4.2	6.0	8.7	.3	.0	.0	.0	21.2	81.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	23.1	16.7	.0	.0	.0	.0	39.7	085
1-2	1.3	26.9	6.4	.0	.0	.0	34.6	
3-4	1.3	9.0	5.1	.0	.0	.0	15.4	
5-6	.0	2.6	3.8	.0	.0	.0	6.4	
7	.0	.0	2.6	.0	.0	.0	2.6	
8-9	.0	.0	1.3	.0	.0	.0	1.3	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	26.6	55.1	17.9	1.3	.0	.0	100.0	78

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	14.8	28.1	15.0	4.4	2.0	.7	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26.9	2
6-7	.0	2.5	3.0	1.6	1.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	4
8-9	.0	.7	2.0	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	3
10-11	.0	1.0	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	3
12-13	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
13	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
INDEX	16.5	2.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	79	0
TOTAL	127	140	87	29	17	3	1	1	1	0	0	0	0	0	0	0	0	0	0	406	2
PCT	31.3	34.5	21.4	7.1	4.2	.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1881-1979AREA 003 GULF OF CALIFORNIA
25.6N 110.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SNR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST SIG
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	.0	3.4	.0 92.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	.0 91.5
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.1	.0 86.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.5	.0	10.3	.0 86.2
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.9	.0	4.4	.7 87.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	2.3	.5 95.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	3.3	.0 95.2
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.4	.0	5.8	.0 92.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	11.1	1.9 85.2
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.1	.0	7.9	.4 89.4
TOT OBS:	530													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SNR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST SIG
0000Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.8	.7 86.6
0600Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	.9	.0	1.9	.9 90.7
1200Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	2.9	.0 95.0
1800Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	11.7	.0 86.9
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.1	.0	7.8	.4 89.6
TOT OBS:	540													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18
N	1.4	2.2	.3	.0	.0	.0		4.5	5.3	5.4	.0	3.8	.0	4.4	.0	4.0	.0
NE	.6	2.0	.0	.0	.0	.0		2.6	5.4	3.5	.0	.0	.0	2.4	.0	1.4	.0
E	1.7	4.1	.2	.0	.0	.0		6.0	5.7	5.5	.0	.0	.0	6.4	.0	7.6	.0
SE	4.4	14.6	4.1	.6	.0	.0		23.7	8.0	23.2	.0	20.0	100.0	21.6	66.7	25.9	16.7
S	3.0	1.9	4.9	.4	.0	.0		20.3	8.1	24.0	.0	17.1	.0	15.5	.0	22.3	50.0
SW	2.0	5.7	1.6	.9	.0	.0		9.4	7.0	8.4	.0	11.8	.0	12.4	.0	7.2	16.7
W	2.5	6.3	.7	.1	.0	.0		9.6	6.3	6.9	.0	13.5	.0	11.0	33.3	8.4	16.7
NW	4.3	7.0	2.8	.0	.0	.0		14.0	6.9	11.7	.0	20.4	.0	11.3	.0	13.6	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	10.0							10.0	.0	11.4	.0	13.5	.0	10.1	.0	7.6	.0
TOT OBS	190	335	91	7	0	0		623	6.5	14.9	0	106	2	139	5	223	3
TOT PCT	30.5	53.8	14.6	1.1	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	03	06	12
N	3.1	1.4	.0	.0	.0		4.5	5.3	5.4	3.8	4.0
NE	1.4	1.2	.0	.0	.0		2.6	5.4	3.5	.0	2.5
E	3.8	2.2	.0	.0	.0		6.0	5.7	5.5	.0	6.4
SE	9.6	11.2	.7	.0	.0		23.7	8.0	23.2	21.6	25.9
S	9.8	9.7	.8	.0	.0		20.3	8.1	24.0	16.7	15.1
SW	5.4	3.0	.2	.0	.0		9.4	7.0	8.4	11.8	12.1
W	6.1	3.1	.4	.0	.0		9.6	6.3	6.9	13.2	11.4
NW	8.1	5.2	.7	.0	.0		14.0	6.9	11.7	20.0	13.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
CALM	10.0						10.0	.0	11.4	13.2	9.9
TOT OBS	157	248	17	1	0		623	6.5	14.9	106	142
TOT PCT	57.3	39.8	2.7	.2	.0		100.0		100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1981-1979AREA 0003 GULF OF CALIFORNIA
25.6N 110.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	11.4	19.5	52.3	15.4	1.3	.0	.0	6.6	100.0	149
0600	13.2	21.7	46.2	16.9	.0	.0	.0	6.3	100.0	106
1200	9.9	19.7	56.3	13.4	.7	.0	.0	6.3	100.0	102
1800	7.5	21.2	56.6	12.6	1.6	.0	.0	6.7	100.0	226
TOT	62	128	335	91	7	0	0	6.5		623
PCT	10.0	20.5	53.8	14.6	1.1	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-6	TOTAL OBS	MEAN CLOUD COVER
N	3.3	.2	.2	.0		2.1
NE	1.6	.4	.4	.0		2.0
E	9.4	.6	.4	.2		1.5
SE	17.4	2.6	2.4	.2		1.4
S	15.1	2.4	.2	.4		1.5
SW	6.4	.6	.7	.3		1.2
W	6.2	.2	.9	.6		1.2
NW	11.5	1.3	.5	1.0		1.2
VAR	.0	.0	.0	.0		.0
CALM	9.9	.6	.2	.0		.5
TOT OBS	371	42	37	15	465	1.3
TOT PCT	79.8	9.0	8.0	3.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WIND DIR	000	100	200	300	400	500	600	700	800	900	1000	1500	2000	3000	4000	5000	6000	7000	8000	9000	ANY HGT	NM <5/8	TOTAL OBS
N	.4	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5
NE	.0	.0	.0	.0	.0	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
E	.0	.0	.0	.0	.0	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
SE	.0	.0	.0	.0	.0	.3	.4	.0	.0	.0	.0	.0	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	21.5
S	.0	.0	.0	.0	.0	.0	.2	.0	.4	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.6
SW	.0	.0	.0	.0	.0	.1	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5
W	.0	.0	.2	.0	.0	.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.4
NW	.1	.0	.0	.1	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.5
TOT OBS	2	0	1	1	11	10	3	5	1	1	430	465											
TOT PCT	.4	.0	.2	.2	2.4	2.2	.6	1.1	.2	.2	92.5	100.0											

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	> 10	> 5	> 2	> 1	> 1/2	> 1/4	> 1/10	> 0
> 6000	.4	.4	.4	.4	.4	.4	.4	.4
> 5000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
> 4000	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
> 3000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
> 2000	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
> 1000	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
> 500	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
> 150	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
> 0	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
TOTAL	31	32	33	33	33	34	34	34

TOTAL NUMBER OF OBS: 472

PCT FREQ NM <5/8: 92.5

TABLE 7a

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
64.4	14.0	6.3	5.3	2.6	1.4	2.2	1.4	2.0	.4	494

JUNE

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1981-1979AREA ODS BULF OF CALIFORNIA
25.6N 110.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSDB (MM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
	TOT S	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2
	TOT S	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.1	.0	.0	.0	.2	.0	.3	.2	.0	.2	1.1	1.1
	TOT S	.1	.0	.0	.0	.2	.0	.3	.2	.0	.2	1.1	1.1
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.3	.0	.6	1.5	.5	.7	.6	.7	.0	1.0	5.9	5.9
	TOT S	.3	.0	.6	1.5	.5	.7	.6	.7	.0	1.0	5.9	5.9
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	3.5	2.2	5.2	21.1	20.3	9.4	9.0	12.7	.0	9.1	92.6	92.6
	TOT S	3.5	2.2	5.2	21.1	20.3	9.4	9.0	12.7	.0	9.1	92.6	92.6
TOT OBS													526
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSDB (MM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
1/2<1	0-3	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	.2
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	.2
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.1	.0	.0	.2	.0	.0	.1	.0	.0	.2	.7	.7
	4-10	.0	.0	.0	.2	.2	.0	.2	.2	.0	.0	.7	.7
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.1	.0	.0	.4	.2	.0	.3	.2	.0	.2	1.6	1.6
5<10	0-3	.2	.0	.1	.0	.0	.2	.4	.2	.0	.9	2.0	2.0
	4-10	.1	.0	.5	1.3	.6	.3	.2	.5	.0	.0	3.5	3.5
	11-21	.0	.0	.0	.2	.1	.2	.0	.0	.0	.0	.6	.6
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.3	.0	.6	1.6	.7	.6	.6	.6	.0	.9	6.1	6.1
10+	0-3	1.3	.5	1.4	4.3	3.1	1.6	1.9	3.7	.0	9.1	26.7	26.7
	4-10	1.0	1.7	3.5	12.6	11.7	5.9	6.4	5.7	.0	.0	49.3	49.3
	11-21	.4	.0	.2	3.0	5.2	1.7	.4	3.1	.0	.0	15.0	15.0
	22+	.0	.0	.0	.5	.5	.0	.1	.0	.0	.0	1.1	1.1
	TOT S	3.4	2.1	5.0	21.1	20.4	9.2	9.3	12.5	.0	9.1	92.0	92.0
TOT OBS													540
TOT PCT													100.0

JUNE

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1981-1979AREA 0003 GULF OF CALIFORNIA
25.6N 110.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM (5/8) BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM (5/8 ANY HGT)	TOTAL OBS
00603	.0	.0	.7	.0	.0	.7	.7	.7	.7	.0	3.7	96.3	134
06609	.0	.0	.0	1.1	.0	1.1	2.2	2.2	.0	.0	6.5	93.5	93
12615	1.6	.0	.0	.0	4.8	3.2	.0	1.6	.0	.0	11.9	88.1	126
18621	.0	.0	.0	.0	3.6	2.9	.0	.0	.0	.0	6.5	93.5	139
TOT	2	0	1	1	11	10	3	5	1	1	35	457	492
PCT	.4	.0	.2	.2	2.2	2.0	.6	1.0	.2	.2	7.1	92.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00603	.0	.0	.0	.7	5.9	93.5	153
06609	.0	1.0	.0	1.0	4.9	93.2	103
12615	.7	.0	.0	2.6	6.3	90.7	143
18621	.0	.0	.0	1.3	6.6	92.1	151
TOT	1	1	0	8	33	507	550
PCT	.2	.2	.0	1.5	6.0	92.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM) 34/8) BY HOUR

HOUR (GMT)	<150 <50 FT	<600 <1	<1000 <5	1000+ AND 5+	NM (5/8 AND 5+)	TOTAL OBS
00603	.0	.8	1.6	3.1	95.3	127
06609	.0	.0	2.2	5.6	92.2	90
12615	1.6	1.6	1.6	10.5	87.9	124
18621	.0	.0	1.5	6.1	92.4	131
TOT	2	3	8	30	434	472
PCT	.4	.6	1.7	6.4	91.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	1.1	.6	.2	.4	.2	12	2.6
85/89	.0	.0	.6	.9	3.7	5.8	1.7	.6	62	13.4
80/84	.0	.2	.2	3.0	6.9	14.0	9.1	4.5	176	36.0
75/79	.0	.0	.4	.6	3.9	13.0	8.6	5.2	147	31.7
70/74	.0	.0	.0	.2	.6	2.6	4.3	2.4	46	9.9
65/69	.0	.0	.0	.0	.0	.4	1.3	.6	11	2.4
60/64	.0	.0	.0	.0	.0	.0	1.1	.9	9	1.9
TOTAL	0	1	6	27	73	167	122	67	463	100.0
PCT	.0	.2	1.3	5.8	15.8	36.1	26.3	14.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.3	.5	3.0	.4	.2	.0	.0	.0	.2
85/89	.7	.4	.4	3.5	1.4	.6	1.0	.9	.0	1.9
80/84	1.2	.2	2.9	9.7	10.4	3.3	3.0	3.9	.0	3.5
75/79	1.8	.9	1.4	8.1	4.2	3.6	3.5	4.4	.0	3.9
70/74	.0	.4	.8	.9	1.7	1.9	1.7	1.7	.0	.9
65/69	.6	.0	.0	.0	.0	.0	.5	1.2	.0	.0
60/64	.0	.0	.0	.0	.2	.0	.5	1.2	.0	.0
TOTAL	4.4	2.3	6.0	23.2	20.8	9.6	10.3	13.2	.0	10.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00603	91	90	90	83	69	62	60	82.1	152
06609	86	84	82	78	69	60	60	77.1	109
12615	88	86	82	77	71	62	60	77.2	140
18621	94	93	89	82	71	62	60	81.7	222
TOT	94	91	88	81	70	62	60	80.0	623

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00603	.0	8.2	21.3	38.5	20.5	11.5	75	122
06609	.0	4.0	10.9	36.6	30.7	17.8	80	101
12615	.0	4.0	10.4	31.2	33.6	20.8	80	125
18621	.0	14.4	18.4	37.6	20.0	9.6	74	125
TOT	0	37	73	170	123	70	77	473

JUNE

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1881-1979AREA 0003 GULF OF CALIFORNIA
25.6N 110.2W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93	TOT	N FOG	W FOG
17/19	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	1	.0	.2
16/16	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	2	.0	.4
11/13	.0	.0	.0	.0	.2	.0	.4	.4	.2	.0	9	.0	1.9
9/10	.0	.0	.0	.0	.0	.0	.4	1.7	1.0	.2	16	.0	3.3
7/8	.0	.0	.0	.2	.2	.6	1.9	1.7	1.0	.0	27	.2	5.4
6	.0	.0	.0	.0	.0	.4	1.2	1.0	.6	.0	16	.0	3.3
5	.0	.0	.6	.2	.2	.4	1.7	1.0	.4	.0	22	.2	4.4
4	.0	.0	.0	.4	.0	1.0	2.7	.8	.2	.0	25	.0	5.2
3	.0	.2	.2	.0	.2	1.7	3.3	.6	.0	.0	30	.0	6.2
2	.0	.2	.0	.4	.2	2.7	2.3	2.3	.0	.0	39	.2	7.9
1	.0	.0	.6	.2	.2	2.5	3.3	1.0	.0	.0	39	.0	8.1
0	.2	.4	.2	.2	.6	6.0	3.3	.4	.0	.0	55	.0	11.4
-1	.0	.0	.0	.2	1.5	4.6	2.3	.2	.0	.0	42	.0	8.7
-2	.0	.6	.0	.4	1.7	3.9	1.7	.4	.0	.0	42	.0	8.7
-3	.0	.4	.0	.4	1.5	2.9	1.9	.2	.0	.0	35	.0	7.3
-4	.0	.0	.0	.4	2.3	1.7	.6	.0	.0	.0	24	.0	5.0
-5	.0	.2	.0	.4	2.9	1.0	.6	.0	.0	.0	25	.0	5.2
-6	.2	.0	.0	.4	1.2	.2	.0	.0	.0	.0	10	.2	1.9
-7/-8	.0	.0	.0	.6	2.1	.8	.0	.0	.0	.0	17	.0	3.5
-9/-10	.0	.0	.0	.2	.6	.0	.0	.0	.0	.0	4	.0	.8
-11/-13	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	2	.2	.2
TOTAL	2	10	10	24	75	149	57	19	2	482	100.0	1.0	99.0
PCT	.4	2.1	2.1	5.0	15.6	30.9	27.8	11.0	3.9	.4	100.0	1.0	99.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N								NE							
	1-3	4-10	11-21	22-33	34-47	48+	PCT	-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.0	.0	.0	.0	.0	.0	.0	1.2	1.2	.0	.0	.0	.0	2.4		
1-2	1.2	.0	.0	.0	.0	.0	2.1	.0	1.2	.0	.0	.0	.0	1.2		
3-4	.0	.0	1.2	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0		
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
TOT PCT	1.2	.9	1.2	.0	.0	.0	3.2	1.2	2.4	.0	.0	.0	.0	3.5		

HGT	E								SE							
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	3.2	3.5	.0	.0	.0	.0	6.8	.6	4.7	.0	.0	.0	.0	5.3		
1-2	1.2	5.0	.0	.0	.0	.0	6.2	2.4	9.7	.0	.0	.0	.0	12.1		
3-4	.0	1.8	.0	.0	.0	.0	1.8	.0	.6	1.2	.0	.0	.0	1.8		
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
TOT PCT	4.4	10.3	.0	.0	.0	.0	14.7	2.9	15.0	1.2	.0	.0	.0	19.1		

PERIOD: (OVER-ALL) 1963-1979 JUNE AREA 0003 GULF OF CALIFORNIA
25.6W 110.2W

TABLE 10 (CONT)
PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	2.1	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.4	0.0	0.0	0.0	0.0	2.4	6.5
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	0.7
3-4	1.2	1.2	2.4	0.0	0.0	0.0	4.7	0.0	1.2	1.2	0.0	0.0	0.0	2.4	1.2
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26-32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41-48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71-86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT PCT	3.2	2.4	4.7	0.0	0.0	0.0	15.3	0.0	6.8	1.2	0.0	0.0	0.0	8.0	27.1

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	28.7	13.0	0.0	0.0	0.0	0.0	42.5	0.0
1-2	6.9	32.2	0.0	0.0	0.0	0.0	39.1	0.0
3-4	1.1	5.7	6.9	0.0	0.0	0.0	13.8	0.0
5-6	0.0	1.1	2.3	0.0	0.0	0.0	3.4	0.0
7	0.0	1.1	0.0	0.0	0.0	0.0	1.1	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26-32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41-48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71-86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT PCT	36.8	54.0	9.2	0.0	0.0	0.0	100.0	0.0

TABLE 19
PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	0.5	36.4	13.9	3.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	272	2
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34	3
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9	4
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7	4
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	1
>13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	2
INDEX	10.9	2.4	7.7	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101	1
TOTAL	120	177	85	31	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	423	2
PCT	28.4	41.8	20.1	7.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	

JULY

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1982-1979AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHUR	DRZL	FRZE PCPN	SNOW	OTHER FRZN PCPN	HALE	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNS	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWS DUST	NO SIG WFA
N	5.6	.0	.0	.0	.0	.0	.0	5.6	.0	4.2	.0	.0	.0	.0	90.3
NE	6.3	.0	.0	.0	.0	.0	.0	6.3	.0	3.2	.0	.0	.0	.0	90.5
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6	.0	.0	1.9	.0	90.4
SE	1.3	.7	.7	.0	.0	.0	.0	2.7	.8	5.9	.0	.0	4.4	.0	86.3
S	.0	.0	.9	.0	.0	.0	.0	.9	.7	2.6	.0	.0	1.6	.0	94.1
SW	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	97.8
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	4.9	.0	2.5	.0	87.7
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	1.7	.0	1.7	.0	94.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	2.0	.0	.0	.0	.0	2.0	.0	4.0	.0	.0	6.0	.0	88.0
TOT PCT	.8	.2	.6	.0	.0	.0	.0	1.5	.6	4.0	.6	.0	2.7	.0	90.7
TOT OBS:	526														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHUR	DRZL	FRZE PCPN	SNOW	OTHER FRZN PCPN	HALE	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNS	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWS DUST	NO SIG WFA
08003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0	96.2
09009	.0	.0	1.0	.0	.0	.0	.0	2.4	.0	12.8	.0	.0	2.4	.0	82.4
12018	2.0	.7	.0	.0	.0	.0	.0	2.7	2.0	3.4	1.4	.0	2.0	.0	88.5
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	95.9
TOT PCT	.8	.2	.6	.0	.0	.0	.0	1.5	.6	4.0	.6	.0	2.6	.0	90.7
TOT OBS:	529														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.2	1.7	.4	.2	.0	.0		3.3	6.8	4.0	.0	3.6	.0	3.5	.0	2.9	.0	.0
NE	.9	2.1	.4	.0	.0	.0		3.1	4.8	3.3	.0	1.2	.0	3.4	.0	3.7	.0	.0
E	1.7	5.5	.5	.0	.0	.0		7.8	6.0	7.1	.0	4.4	.0	9.8	25.0	8.9	.0	.0
SE	4.0	19.7	7.2	.5	.0	.0		31.3	8.6	36.8	25.0	29.6	.0	25.0	25.0	32.4	.0	.0
S	2.8	11.0	3.9	.2	.0	.0		19.8	7.8	19.2	35.0	19.6	.0	22.4	.0	18.6	.0	.0
SW	1.7	5.0	.8	.0	.0	.0		8.3	6.4	3.3	.0	9.9	.0	8.4	.0	10.8	.0	.0
W	2.2	3.0	.8	.0	.0	.0		6.8	6.5	7.6	.0	6.7	.0	9.4	.0	5.0	.0	.0
NW	2.8	4.3	2.0	.0	.0	.0		9.9	8.1	9.1	20.0	14.7	100.0	7.5	.0	8.9	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.5							9.5	.0	4.0	20.0	10.3	.0	10.6	50.0	8.8	.0	.0
TOT OBS	174	363	106	5	0	0		650	6.8	130	5	126	1	151	2	227	0	0
TOT PCT	26.6	55.6	16.6	.8	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40				00	06	12	18	21
N	2.3	.7	.4	.0	.0		3.3	6.8	3.8	3.5	3.4	2.9
NE	2.5	.5	.0	.0	.0		3.1	4.8	3.1	1.2	3.6	3.7
E	9.5	2.0	.3	.0	.0		7.8	6.0	6.8	9.3	9.0	8.9
SE	13.1	16.5	1.0	.0	.0		31.3	8.6	36.3	29.3	25.0	32.4
S	9.7	9.4	.8	.0	.0		19.8	7.8	19.6	19.5	22.1	18.6
SW	5.0	3.3	.0	.0	.0		8.3	6.4	3.0	9.8	8.3	10.8
W	4.3	2.2	.3	.0	.0		6.8	6.5	7.3	6.7	9.3	5.0
NW	4.9	3.9	1.1	.0	.0		9.9	8.1	9.4	15.4	7.4	8.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	9.5						9.5	.0	4.0	10.2	11.1	8.8
TOT OBS	369	250	31	0	0		650	6.8	143	127	153	227
TOT PCT	56.8	38.5	4.8	.0	.0		100.0		100.0	100.0	100.0	100.0

JULY

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1982-1979AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	8.4	17.5	55.1	20.3	.7	.0	.0	.0	7.2	100.0	143
0600	10.2	15.0	52.0	20.5	2.4	.0	.0	.0	7.8	100.0	127
1200	11.1	15.0	59.5	13.7	.7	.0	.0	.0	6.5	100.0	153
1800	8.8	19.8	57.3	14.1	.0	.0	.0	.0	6.3	100.0	227
TOT	62	112	363	108	5	0	0	0	6.8		650
PCT	9.5	17.2	55.8	16.6	.8	.0	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-6	TOTAL OBS	MEAN CLOUD COVER
N	2.0	.7	.9	.4		3.2
NE	2.1	.3	.6	.1		2.1
E	3.0	1.3	2.4	.5		5.5
SE	11.6	6.5	6.7	3.7		3.5
S	7.5	4.3	5.6	2.1		3.7
SW	5.6	1.1	1.4	.6		2.5
W	4.6	1.3	1.5	1.1		3.1
NW	4.4	3.4	3.5	.0		3.3
VAR	.0	.0	.0	.0		.0
CALM	7.3	.9	1.3	.4		2.0
TOT OBS	218	88	104	38	452	3.2
TOT PCT	48.2	19.5	23.9	8.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM) >4/8
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

BY 5/160 DIRECTION										MEAN		WIND DIRECTION									
WIND DIR	0-2	3-4	5-7	8-6	TOTAL	CLOUD	000	150	300	450	600	1000	2000	3500	5000	6500	8000+	NM <5/8	TOTAL		
				OBS	OBS	COVER	149	299	599	999	1999	3999	4999	6999	7999			ANY HGT	OBS		
N	2.0	.3	.9	.4		3.2	.2	.0	.0	.7	.2	.0	.0	.0	.0	.0	.2	2.8			
NE	2.1	.3	.6	.1		2.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	2.8			
E	3.0	1.3	2.4	.5		3.5	.0	.0	.0	.0	.4	.9	.0	.0	.0	.0	.6	5.5			
SE	11.6	6.5	6.7	3.7		3.5	.0	.0	.2	.8	1.3	1.2	.7	.2	.0	.5	23.1				
S	7.5	4.3	5.6	2.1		3.7	.2	.0	.2	.8	1.4	1.2	.2	.0	.0	.4	15.2				
SW	5.6	1.1	1.8	.6		2.5	.0	.0	.0	.2	.4	.1	.2	.0	.0	.2	7.9				
W	4.6	1.3	1.5	1.1		3.1	.2	.0	.0	.0	.2	.4	.0	.0	.0	.0	7.7				
NW	4.8	3.6	3.7	.0		3.3	.0	.0	.2	.2	.4	.4	.2	.2	.0	.0	9.0				
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CALM	7.3	.9	.3	.0		2.0	.0	.0	.0	.0	.3	.4	.7	.0	.0	.2	9.1				
TOT OBS	218	80	104	38	452	3.2	3	0	3	10	20	19	6	5	0	11	375		452		
TOT PCT	48.2	19.5	23.9	8.4	100.0		.7	.0	.7	2.2	4.4	4.2	1.3	1.1	.0	2.4	83.0		100.0		

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM) >4/8 AND VSBY (NM)

CEILING (FEET)	≥ OR >10	≥ OR >5	≥ OR >2	VSBY (NM)				
				≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >50YD	≥ OR >0
≥ OR >6500	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
≥ OR >5000	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
≥ OR >3500	4.6	4.9	4.9	4.9	4.9	4.9	4.9	4.9
≥ OR >2000	8.8	9.1	9.1	9.1	9.1	9.1	9.1	9.1
≥ OR >1000	13.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5
≥ OR >600	16.0	16.5	16.7	16.7	16.7	16.7	16.7	16.7
≥ OR >300	16.2	16.1	16.3	16.3	16.3	16.3	16.3	16.3
≥ OR >150	16.2	16.1	16.3	16.3	16.3	16.3	16.3	16.3
≥ OR >0	16.2	16.6	17.0	17.0	17.0	17.0	17.0	17.0
TOTAL	69	75	77	77	77	77	77	77

TOTAL NUMBER OF OBS: 453

PCT FREQ NM <5/8: 83.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
31.4	18.1	14.6	11.0	7.2	4.9	4.6	3.2	4.6	.4	474

JULY

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1982-1979AREA 0003 GULF OF CALIFORNIA
29.5N 110.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS	
1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2<5	PCP	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2		
	NO PCP	.0	.0	.2	.9	.3	.2	.3	.2	.0	.0	1.3		
	TOT %	.0	.0	.2	.9	.5	.2	.3	.2	.0	.0	1.5		
5<10	PCP	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2		
	NO PCP	.0	.0	.0	1.2	.5	.4	.6	.4	.0	.6	3.6		
	TOT %	.2	.0	.0	1.2	.5	.4	.6	.4	.0	.6	3.8		
10+	PCP	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	1.1		
	NO PCP	1.2	2.8	7.3	26.4	19.2	8.2	6.7	10.9	.0	8.8	93.6		
	TOT %	3.2	3.0	7.3	27.2	19.2	8.2	6.7	10.9	.0	9.0	94.7		
TOT OBS														525
TOT PCT														
		3.4	3.0	7.5	28.4	20.3	8.8	7.6	11.5	.0	9.5	100.0		

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
1/2	0-3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.2	.9	.5	.2	.3	.1	.0	.0	1.3	
	11-21	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.2	.9	.5	.2	.4	.3	.0	.0	1.7	
5<10	0-3	.0	.0	.0	.0	.2	.2	.0	.0	.0	.6	.9	
	4-10	.0	.0	.0	.4	.1	.2	.4	.2	.0	.0	1.3	
	11-21	.0	.0	.0	.6	.4	.0	.2	.2	.0	.0	1.3	
	22+	.2	.0	.0	.2	.2	.0	.0	.0	.0	.0	.6	
	TOT %	.2	.0	.0	1.2	.9	.4	.6	.4	.0	.6	4.1	
10+	0-3	1.2	.0	1.3	3.2	2.3	1.3	2.4	3.3	.0	9.0	24.7	
	4-10	1.6	2.1	5.4	15.9	12.4	5.9	3.8	4.5	.0	8.8	51.7	
	11-21	.5	.0	.4	7.7	4.2	.8	.5	3.0	.0	.0	17.2	
	22+	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	
	TOT %	3.3	2.9	7.2	27.1	18.9	8.1	6.7	10.8	.0	9.0	94.0	
TOT OBS													534
TOT PCT													534
		3.5	3.0	7.5	28.3	20.3	8.6	7.7	11.5	.0	9.6	100.0	

JULY

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1982-1979AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	2.4	4.1	.0	.0	.0	.0	8.1	91.9	123
06009	.0	.0	1.0	2.0	4.0	4.0	2.0	2.0	.0	4.0	21.0	79.0	100
12015	2.3	.0	.0	4.6	5.4	4.6	1.5	.0	.0	1.5	21.5	78.5	130
18021	.0	.0	.9	.9	3.5	3.5	1.8	1.8	.0	3.5	15.8	84.2	114
TOT	3	0	3	10	20	19	6	5	0	11	77	390	467
PCT	.6	.0	.6	2.1	4.3	4.1	1.3	1.1	.0	2.4	16.5	81.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.7	.0	.0	.7	2.9	95.7	138
06009	.0	.0	.0	.0	4.0	95.2	124
12015	.0	.0	.0	3.3	8.0	88.7	150
18021	.0	.0	.0	1.6	.0	97.6	125
TOT	1	0	0	9	22	505	537
PCT	.2	.0	.0	1.7	4.1	94.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.9	.9	1.7	7.7	90.6	117
06009	.0	1.0	4.1	10.4	77.6	98
12015	2.4	3.2	7.9	14.3	77.8	126
18021	.0	.9	2.7	14.3	83.0	112
TOT	4	7	19	61	373	453
PCT	.9	1.5	4.2	13.5	82.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.4	.0	.8	1.1	.0	.2	.0	12	2.5
90/94	.0	.0	.0	1.1	3.2	4.2	.6	.2	44	9.3
85/89	.0	.0	.2	1.1	7.4	12.3	9.7	1.9	154	32.6
80/84	.0	.0	.4	.6	3.6	11.0	22.7	6.1	210	44.5
75/79	.0	.0	.0	.0	.2	1.7	2.5	1.1	26	5.5
70/74	.0	.0	.0	.0	.0	.6	1.1	.6	11	2.3
65/69	.0	.0	.0	.0	.0	.2	1.1	1.7	14	3.0
60/64	.0	.0	.0	.0	.0	.0	.2	.0	1	.2
TOTAL	0	2	3	17	73	192	100	55	472	100.0
PCT	.0	.4	.6	3.6	15.5	30.1	38.1	11.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.6	.3	.2	.1	.3	.0	.0	.5	.0	.6
.2	.8	.6	2.8	2.2	.6	1.0	.5	.0	.6
1.1	1.3	2.3	10.9	5.9	2.9	2.0	2.5	.0	3.8
1.2	.6	4.0	14.5	11.3	4.2	2.6	2.1	.0	4.0
.2	.0	.3	.1	.8	.5	1.4	1.3	.0	.8
.6	.0	.0	.0	.2	.1	.2	1.3	.0	.0
.2	.0	.0	.0	.0	.0	.8	2.0	.0	.0
.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
4.0	3.0	7.3	28.3	20.7	8.3	6.2	10.3	.0	10.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	98	96	94	86	79	71	68	86.4	144
06009	89	88	87	84	70	66	66	82.1	126
12015	92	89	86	82	73	65	65	81.4	154
18021	98	96	93	86	75	68	64	85.6	225
TOT	98	96	92	84	74	66	64	84.1	649

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	5.7	23.8	37.7	28.7	4.1	74	122		
06009	.0	.9	6.8	25.6	49.6	17.1	62	117		
12015	.0	5.0	7.5	23.3	50.0	14.2	81	120		
18021	.0	7.1	23.9	33.6	23.9	11.5	76	113		
TOT	0	22	73	142	180	55	78	472		

JULY

PERIOD: (PRIMARY) 1961-1979
(OVER-ALL) 1962-1979

TABLE 17

AREA 0003 GULF OF CALIFORNIA
25.5N 110.3WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	NO FOG
17/19	.0	.0	.0	.0	.0	.0	.2	.0	.2	2	.0	.4
16/16	.0	.0	.0	.0	.0	.2	.2	.2	.2	4	.0	.8
11/13	.0	.0	.0	.0	.2	.0	.2	.4	1.4	11	.0	2.2
9/10	.0	.0	.2	.2	.2	.2	.8	.8	1.0	17	.2	3.2
7/8	.0	.0	.2	.2	.0	.2	1.4	2.2	.8	25	.0	5.0
6	.0	.0	.0	.2	.2	.0	1.6	1.4	.2	18	.0	3.6
5	.0	.0	.0	.2	.0	1.2	3.2	.4	.2	27	.0	5.4
4	.0	.2	.0	.0	.4	1.4	2.8	1.6	.0	32	.0	6.4
3	.0	.0	.2	.0	.2	1.6	3.6	1.4	.0	36	.0	7.0
2	.0	.0	.2	.2	.2	2.0	3.2	.4	.0	31	.0	6.2
1	.0	.0	.0	.2	1.4	4.8	3.6	.2	.0	51	.0	10.2
0	.0	.4	.2	.2	1.2	4.6	3.6	.0	.0	51	.0	10.2
-1	.2	.2	.2	.0	1.0	6.4	3.0	.2	.0	56	.0	11.2
-2	.0	.8	.4	.2	1.0	6.4	1.8	.0	.0	50	.0	10.0
-3	.0	.2	.2	.0	1.6	4.2	.8	.0	.0	35	.0	7.0
-4	.0	.2	.4	.0	1.6	4.0	.2	.0	.0	32	.2	6.2
-5	.0	.0	.0	.2	1.4	.8	.0	.0	.0	12	.0	2.4
-6	.0	.0	.2	.4	.6	.6	.0	.0	.0	9	.0	1.8
-7/-8	.0	.0	.0	.2	.4	.2	.0	.0	.0	4	.0	.8
TOTAL	1	10	12	12	56	147	20			502	2	500
PCT	.2	2.0	2.4	2.4	11.6	38.0	29.3	9.4	4.0	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

MSG	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
41	.0	.0	.0	.0	.0	.0	.8	1.3	.0	.0	.0	.0	.0	1.3
1-2	.0	.0	.0	.0	.0	.0	.8	.0	.3	.3	.0	.0	.0	.5
3-4	.0	1.5	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	1.5	.8	.0	.0	.0	3.0	1.3	.3	.3	.0	.0	.0	1.8

MSG	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
41	.0	2.5	.0	.0	.0	.0	3.3	.3	4.0	1.3	.0	.0	.0	5.6
1-2	.0	2.3	.0	.0	.0	.0	2.3	1.0	9.8	2.0	.0	.0	.0	12.9
3-4	.0	1.8	.0	.0	.0	.0	1.8	.0	3.5	2.0	.0	.0	.0	5.6
5-6	.0	.0	.0	.0	.0	.0	.8	.0	.0	1.0	.0	.0	.0	1.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	8.6	.8	.0	.0	.0	7.3	1.3	17.4	6.3	.0	.0	.0	25.0

PERIOD: (OVER-ALL) 1963-1979

JULY

AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S								SW							
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	1.3	1.6	.0	.0	.0	5.6		.0	6.4	.0	.0	.0	.0	6.4	
1-2	.0	6.6	2.0	.0	.0	.0	10.6		.0	3.3	.0	.0	.0	.0	3.3	
3-4	.0	1.0	1.0	.0	.0	.0	2.0		.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	1.0	.0	.0	.0	1.0		.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	13.6	5.6	.0	.0	.0	20.2		.0	10.1	.0	.0	.0	.0	10.1	

HGT	W								NW								TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	2.5	4.5	.0	.0	.0	.0	7.1		4.8	.0	.0	.0	.0	.0	4.8		86.9
1-2	.0	.0	.0	.0	.0	.0	.0		1.0	1.3	.0	.0	.0	.0	2.3		
3-4	.0	1.0	1.0	.0	.0	.0	2.0		.0	1.5	1.0	.0	.0	.0	2.5		
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
TOT PCT	2.5	6.3	1.0	.0	.0	.0	9.8		5.8	2.8	1.0	.0	.0	.0	9.6		

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	24.2	21.2	3.0	.0	.0	.0	48.5	99
1-2	2.0	26.3	5.1	.0	.0	.0	33.3	
3-4	.0	11.1	5.1	.0	.0	.0	16.2	
5-6	.0	.0	2.0	.0	.0	.0	2.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	26.3	58.6	15.2	.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	9.4	34.5	18.0	4.6	1.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	274	2
6-7	.5	1.3	2.0	2.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	3
8-9	.0	.0	.3	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	4
10-11	.0	1.3	.3	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	4
12-13	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
115	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	17.0	1.0	.0	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	74	0
TOTAL	106	153	89	32	11	2	1	0	0	0	0	0	0	0	0	0	0	0	0	394	2
PCT	26.9	38.0	22.6	8.1	2.8	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1911-1979
(OVER-ALL) 1882-1979

AUGUST

AREA 0003 GULF OF CALIFORNIA
25.4N 110.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OBS TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHORE HAZE	SPRAY DUST BLUG SNOW	NO SIG WEAT
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	.0	.0	.0	.0	94.6
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.1	.0	.0	.0	.0	80.9
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	.0	.0	2.8	.0	95.5
SE	1.3	.2	.0	.0	.0	.0	.0	1.4	1.4	3.9	.0	.0	3.5	.0	89.7
S	.0	.9	.0	.0	.0	.0	.0	.9	.0	6.4	.0	.0	4.3	.0	88.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.7	.0	.0	2.9	.0	83.5
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0	4.6	.0	90.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	.0	2.1	.0	95.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	.0	.0	4.0	.0	90.0
TOT PCT	.4	.2	.0	.0	.0	.0	.0	.4	.8	5.9	.0	.0	3.4	.0	89.3
TOT OBS:	506														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OBS TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHORE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
0000	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	5.9	.0	93.2
0600	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.4	.0	.0	3.5	.0	86.1
1200	2.3	.8	.0	.0	.0	.0	.0	3.0	1.5	12.8	.0	.0	2.3	.0	80.5
1800	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	2.0	.0	95.9
TOT PCT	.6	.2	.0	.0	.0	.0	.0	.8	1.0	5.8	.0	.0	1.3	.0	89.1
TOT OBS:	513														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	1.2	1.9	.6	.0	.0	.0		3.7	6.7	4.1	.0	1.5	.0	5.0	.0	4.0	.0
NE	1.1	1.8	.1	.2	.0	.0		3.1	6.6	5.6	.0	.0	.0	3.7	.0	3.1	.0
E	1.1	5.3	1.0	.0	.0	.0		7.4	7.0	10.7	33.3	6.1	.0	7.8	.0	6.3	.0
SE	9.3	10.2	7.9	1.0	.0	.0		32.5	8.8	38.5	33.3	35.7	.0	16.7	50.0	35.0	50.0
S	2.6	10.4	3.8	.3	.0	.0		17.0	8.1	17.9	.0	20.6	.0	16.5	.0	16.1	.0
SW	1.2	4.6	1.3	.0	.0	.0		7.0	7.7	2.8	33.3	6.8	.0	9.1	.0	7.9	.0
W	4.0	6.6	.7	.0	.0	.0		11.3	5.8	8.3	.0	14.9	50.0	17.1	.0	6.1	16.7
NW	2.0	5.2	1.1	.2	.0	.0		8.5	7.6	9.3	.0	4.6	50.0	15.7	50.0	7.2	33.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.4							9.4	.0	6.8	.0	9.4	.0	6.5	.0	11.3	.0
TOT OBS	170	344	105	10	0	0		637	7.1	117	3	114	1	129	2	265	6
TOT PCT	27.9	54.0	16.5	1.6	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	DTR	0-6	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
			7-16	17-27	28-40	00 01					06 09	12 15	18 21	
N	2.3	1.1	.3	.0	.0	3.7	6.7	4.0	1.5	5.0	3.9			
NE	2.1	.9	.0	.2	.0	3.1	6.6	5.4	.0	3.6	3.2			
E	5.9	3.3	.3	.0	.0	7.4	7.0	11.3	6.1	7.6	6.2			
SE	14.1	15.7	2.2	.5	.0	32.5	8.8	38.5	35.4	17.2	36.1			
S	7.3	9.0	.6	.1	.0	17.0	8.1	17.5	20.4	16.2	15.8			
SW	2.9	3.8	.3	.0	.0	7.0	7.7	3.5	6.7	9.0	7.7			
W	7.8	3.2	.3	.0	.0	11.3	5.8	8.1	15.2	16.8	8.3			
NW	3.8	4.4	.3	.0	.0	8.5	7.6	5.2	5.8	16.2	7.7			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CALM	9.4				.0	9.4	.0	6.7	9.6	8.4	11.1			
TOT OBS	201	263	28	5	0	637	7.1	170	115	131	271			
TOT PCT	31.5	41.3	4.4	.8	.0	100.0		100.0	100.0	100.0	100.0			

AUGUST

PERIOD: (PRIMARY) 1911-1979
(COVER-ALL) 1882-1979AREA 0003 GULF OF CALIFORNIA
26.4N 110.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				40+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+				
0000Z	6.7	14.2	57.5	20.0	1.7	.0	.0	.0	7.6	100.0	120
0600Z	9.6	20.9	50.4	16.5	2.6	.0	.0	.0	7.5	100.0	115
1201Z	8.4	16.0	55.0	19.1	1.5	.0	.0	.0	7.6	100.0	131
1802Z	11.1	20.7	53.5	13.7	1.1	.0	.0	.0	6.4	100.0	271
TOT	60	116	344	105	10	0	0	0	7.1		637
PCT	9.4	18.5	54.0	16.5	1.6	.0	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	1.6	.7	1.0	.4		3.5
NE	1.0	1.2	.9	.6		4.0
E	2.2	1.3	2.6	.6		4.1
SE	12.4	7.3	9.3	2.6		3.5
S	5.1	4.8	6.0	1.3		3.8
SW	2.9	1.2	2.6	.0		3.1
W	6.7	2.1	3.0	.2		2.8
NW	3.2	2.4	2.0	.1		2.9
VAR	.0	.0	.0	.0		.0
CALM	6.0	2.2	1.5	.8		2.0
TOT OBS	172	95	118	26	411	3.3
TOT PCT	41.6	23.1	28.7	6.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER	000 149	150 299	300 599	400 999	1000 1999	2000 3999	3500 4999	5000 6499	6500 7999	8000+ ANY MET	NM <5/8 ANY MET	TOTAL OBS
N	1.6	.7	1.0	.4		3.5	.0	.0	.0	.0	.2	.4	.0	.0	.0	.0	.0	3.0
NE	1.0	1.2	.9	.6		4.0	.0	.0	.0	.1	.1	.0	.2	.0	.0	.0	.0	3.2
E	2.2	1.3	2.6	.6		4.1	.0	.0	.0	.2	.5	.5	.2	.0	.0	.0	.0	5.2
SE	12.4	7.3	9.3	2.6		3.5	.0	.0	.2	1.5	1.4	.7	2.3	.5	.5	.0	.0	24.4
S	5.1	4.8	6.0	1.3		3.8	.0	.0	.0	.4	.4	.5	.6	.2	.2	.5	.0	14.4
SW	2.9	1.2	2.6	.0		3.1	.0	.0	.0	.1	.5	.2	.1	.0	.0	.0	.0	5.0
W	6.7	2.1	3.0	.2		2.8	.0	.0	.0	.2	.7	.0	.0	.0	.0	.2	.0	10.9
NW	3.2	2.4	2.0	.1		2.9	.0	.0	.0	.2	.4	.1	.0	.0	.0	.1	.0	7.1
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.0	2.2	1.5	.8		2.0	.0	.0	.2	.2	.7	.2	.2	.0	.0	.0	.0	9.2
TOT OBS	172	95	118	26	411	3.3	0	0	2	12	20	11	15	1	1	3	3	411
TOT PCT	41.6	23.1	28.7	6.3	100.0		.0	.0	.5	2.9	4.9	2.7	3.6	.7	.7	.7	.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
= OR >5000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
= OR >3500	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
= OR >2000	7.0	6.3	6.3	6.3	6.3	6.3	6.3	6.3
= OR >1000	12.2	12.9	12.9	12.9	12.9	12.9	12.9	12.9
= OR >600	14.1	15.6	15.6	15.6	15.6	15.6	15.6	15.6
= OR >300	14.6	16.3	16.3	16.3	16.3	16.3	16.3	16.3
= OR >150	14.6	16.3	16.3	16.3	16.3	16.3	16.3	16.3
= OR >0	14.6	16.3	16.3	16.3	16.3	16.3	16.3	16.3
TOTAL	61	60	60	60	60	60	60	60

TOTAL NUMBER OF OBS: 411

PCT FREQ NM <5/8: 83.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
22.6	19.7	17.0	15.9	6.3	7.0	4.7	2.9	3.6	.0	407

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PERIOD: (PRIMARY) 1911-1979
(OVER-ALL) 1882-1979AREA 0003 GULF OF CALIFORNIA
25.4N 110.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY:

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
	TOT S	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
	TOT S	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
5<10	PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2
	NO PCP	.2	.7	.0	1.2	.0	.5	.5	1.2	.0	.0	.0	5.8
	TOT S	.2	.7	.0	1.4	.0	.5	.5	1.2	.0	.0	.0	6.0
10+	PCP	.0	.0	.0	.3	.2	.0	.0	.0	.0	.0	.0	.4
	NO PCP	3.5	2.7	6.2	29.0	15.4	6.1	12.0	8.3	.0	10.0	.0	93.2
	TOT S	3.5	2.7	6.2	29.2	15.6	6.1	12.0	8.3	.0	10.0	.0	93.6
TOT OBS		498											
TOT PCT		3.7	3.4	7.3	30.6	16.3	6.6	12.5	9.5	.0	10.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY:

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
5<10	0-3	.0	.2	.2	.4	.2	.2	.0	.0	.0	.0	.0	1.2
	4-10	.2	.2	.4	.6	.4	.3	.5	1.0	.0	.0	.0	3.6
	11-21	.0	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.4
	22+	.0	.2	.0	.2	.2	.0	.0	.2	.0	.0	.0	.6
	TOT S	.2	.7	.8	1.4	.8	.5	.5	1.2	.0	.0	.0	6.0
10+	0-3	1.1	1.0	.7	4.1	1.4	.4	4.2	2.3	.0	10.0	.0	26.3
	4-10	1.9	1.7	4.0	15.5	10.0	4.5	6.9	4.7	.0	.0	.0	49.9
	11-21	.6	.1	.0	8.7	3.9	1.2	.9	1.3	.0	.0	.0	17.4
	22+	.0	.0	.0	.9	.2	.0	.0	.0	.0	.0	.0	1.0
	TOT S	3.5	2.7	6.4	29.2	15.5	6.1	12.0	8.3	.0	10.0	.0	93.6
TOT OBS		499											
TOT PCT		3.7	3.4	7.5	30.6	16.3	6.6	12.5	9.5	.0	10.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1911-1979
(OVER-ALL) 1882-1979AREA 0003 GULF OF CALIFORNIA
25.44 110.14

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY MET	TOTAL OBS
00003	.0	.0	.0	1.0	7.7	3.8	2.9	.0	.0	.0	15.4	84.6	104
06009	.0	.0	.0	1.1	3.4	1.1	2.2	1.1	1.1	1.1	11.2	88.8	89
12015	.9	.0	2.7	6.3	4.5	2.7	4.5	.0	.0	.9	22.3	77.7	112
18021	.0	.0	.0	2.3	3.1	2.3	3.8	1.5	1.5	.0	15.4	84.6	130
TOT	1	0	3	12	20	11	15	3	3	3	71	264	435
PCT	.2	.0	.7	2.8	4.6	2.5	3.4	.7	.7	.7	16.3	83.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	2.5	97.5	119
06009	.0	.0	.0	.9	4.5	94.6	111
12015	.0	.0	.0	.0	12.2	87.8	131
18021	.7	.0	.0	.0	5.5	93.8	145
TOT	1	0	0	1	32	972	1066
PCT	.2	.0	.0	.2	6.3	93.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.0	.0	1.0	15.2	83.8	99
06009	.0	.0	2.4	9.4	88.2	85
12015	1.0	3.9	9.8	12.7	77.5	102
18021	.0	.0	3.2	13.4	83.2	125
TOT	1	5	17	53	341	411
PCT	.2	1.2	4.1	12.9	83.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.2	1.8	.2	.0	.0	10	2.2
90/94	.0	.0	.0	.7	7.6	7.2	1.3	.9	79	17.7
85/89	.0	.0	.0	.7	4.7	19.3	12.1	4.3	163	41.0
80/84	.0	.0	.0	.0	2.5	16.3	17.3	6.5	163	36.3
75/79	.0	.0	.0	.0	.0	.0	1.3	.7	9	2.0
70/74	.0	.0	.0	.0	.0	.0	.4	.0	2	.4
TOTAL	0	0	0	7	74	165	145	55	446	100.0
PCT	.0	.0	.0	1.6	16.6	37.0	32.5	12.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.2	.0	.0	1.0	.2	.1	.6	.0	.0	.2
90/94	.7	1.0	1.5	5.7	3.1	.3	.8	1.5	.0	3.1
85/89	1.6	.9	3.1	12.9	7.3	3.0	5.8	2.9	.0	3.8
80/84	.0	1.2	2.6	12.1	6.3	3.2	4.5	3.4	.0	2.5
75/79	.0	.2	.0	.3	.2	.4	.8	.1	.0	.0
70/74	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0
TOTAL	3.4	3.4	7.3	31.9	17.0	7.0	12.6	7.8	.0	9.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	97	96	94	88	82	80	72	87.9	120
06009	92	91	90	84	82	80	80	85.0	115
12015	90	89	86	84	79	74	71	83.1	132
18021	96	95	94	87	81	78	73	87.4	266
TOT	97	95	93	86	80	78	71	86.2	633

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.0	26.5	42.2	19.6	10.8	76	102		
06009	.0	.9	2.4	39.6	41.5	15.1	81	106		
12015	.0	.9	9.6	26.3	46.5	16.7	82	114		
18021	.0	3.1	26.6	39.1	23.4	7.8	75	128		
TOT	0	7	75	165	147	96	78	450		

AUGUST

PERIOD: (PRIMARY) 1911-1979
(OVER-ALL) 1882-1979AREA 0803 GULF OF CALIFORNIA
25.4N 110.1W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	NO FOG
17/19	.0	.0	.0	.0	.2	.0	.0	1	.0	.2
19/16	.0	.0	.0	.0	.0	.4	.0	2	.0	.4
11/13	.0	.0	.0	.0	.2	.2	.6	5	.0	1.0
9/10	.0	.0	.0	.4	.6	1.0	1.2	16	.0	3.2
7/8	.0	.0	.2	.6	.8	.6	2.2	22	.0	4.4
6	.0	.2	.0	.0	.4	1.6	1.2	17	.0	3.4
5	.0	.0	.0	.2	1.0	2.4	.6	21	.0	4.2
4	.0	.0	.4	.4	1.2	2.6	.8	27	.0	5.4
3	.0	.0	.0	.0	1.8	2.4	.4	23	.0	4.6
2	.0	.4	.4	.8	3.4	1.2	.0	31	.0	6.2
1	.0	.0	.0	.6	5.0	1.0	.0	33	.0	6.6
0	.2	.0	.4	2.6	7.0	.6	.0	54	.0	10.8
-1	.2	.0	.0	2.4	4.4	.2	.0	36	.0	7.2
-2	.0	.0	.4	4.2	5.2	.4	.0	51	.0	10.2
-3	.0	.0	.4	6.2	2.8	.0	.0	47	.0	9.4
-4	.0	.0	.0	7.0	2.0	.0	.0	49	.0	9.8
-5	.0	.0	.4	5.0	.6	.0	.0	31	.0	6.2
-6	.0	.0	.0	1.0	.4	.0	.0	11	.0	2.2
-7/-8	.0	.0	1.2	2.0	.0	.0	.0	16	.0	3.2
-9/-10	.0	.0	.8	.0	.2	.0	.0	5	.0	1.0
TOTAL	2	32	167	186	73	35		498		498
PCT	.4	.6	6.4	33.5	37.3	14.7	7.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	1.3	.0	.0	.0	.0		1.3	.0	1.3	.0	.0	.0	.0		1.3
1-2	1.3	.0	.0	.0	.0	.0		1.3	.0	1.3	.0	.0	.0	.0		1.3
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	1.3	1.3	.0	.0	.0	.0		2.6	.0	2.6	.0	.0	.0	.0		2.6

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	1.3	.0	.0	.0	.0		1.3	.3	.7	.0	.0	.0	.0		1.0
1-2	1.0	1.0	.0	.0	.0	.0		2.0	1.6	12.5	4.3	.0	.0	.0		18.4
3-4	.0	1.3	1.0	.0	.0	.0		2.3	1.3	3.9	3.3	.0	.0	.0		8.6
5-6	.0	.0	.0	.0	.0	.0		.0	.0	1.3	2.6	1.3	.0	.0		5.3
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	1.0	3.6	1.0	.0	.0	.0		5.6	3.3	18.4	10.2	1.3	.0	.0		33.2

PERIOD: (OVER-ALL) 1963-1979

AUGUST

AREA 0003 GULF OF CALIFORNIA
25.4N 110.1W

TABLE 10 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	1.0	3.3	.0	.0	.0	.0	4.3	.0	5.6	.0	.0	.0	.0	5.6
1-2	1.3	2.0	4.3	.0	.0	.0	7.6	.3	4.6	.7	.0	.0	.0	5.6
3-4	.0	3.3	3.6	.0	.0	.0	6.9	.0	2.0	.0	.0	.0	.0	2.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.3	6.6	7.9	.0	.0	.0	10.0	.3	12.2	.7	.0	.0	.0	13.2

HGT	M						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	1.3	3.6	.0	.0	.0	.0	4.9	.0	7.6	.0	.0	.0	.0	.0	2.6
1-2	1.0	3.6	.0	.0	.0	.0	4.6	.0	1.3	1.3	.0	.0	.0	.0	2.6
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	1.3
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.3	7.2	.0	.0	.0	.0	9.5	.0	3.9	2.6	.0	.0	.0	6.6	92.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	11.5	20.5	.0	.0	.0	.0	32.1	
1-2	6.4	25.6	10.3	.0	.0	.0	42.3	
3-4	1.3	10.3	9.0	.0	.0	.0	20.5	
5-6	.0	1.3	2.6	1.3	.0	.0	5.1	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	19.2	57.7	21.6	1.3	.0	.0	100.0	70

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	10.0	34.7	15.3	5.1	1.5	.0	.0	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	275
6-7	.5	3.6	4.1	1.7	.7	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49
8-9	.0	1.7	.5	.7	.5	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19
10-11	.0	.2	.0	.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6
12-13	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
TOTAL	12.6	1.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	412
PCT	23.1	41.7	20.9	8.0	3.4	1.9	.5	.2	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1880-1979AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT 00 TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.7	.0	91.3
NE	8.0	8.0	.0	.0	.0	.0	.0	16.0	.0	.0	.0	.0	.0	.0	84.0
E	.0	3.9	.0	.0	.0	.0	.0	3.9	2.6	9.7	.0	.0	3.9	.0	79.9
SE	.2	1.4	.0	.0	.0	.0	.0	1.6	.0	5.1	.0	.0	5.4	.0	87.9
S	1.1	.0	.0	.0	.0	.0	.0	1.1	.0	6.0	.0	.0	3.6	.0	87.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.6	.0	.0	.7	.0	90.8
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	2.0	.0	96.1
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	.0	.0	4.3	.0	92.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	.0	96.2
TOT PCT	.4	.0	.0	.0	.0	.0	.0	1.3	.2	4.6	.0	.0	4.0	.0	90.0
TOT OBS:	470														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHUR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT 00 TIME	PCPN PAST HOUR	THDR LTNS	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG WEA
0000Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	.0	93.4
0600Z	1.7	.0	.0	.0	.0	.0	.0	1.7	.0	8.7	.0	.0	2.6	.0	87.0
1201Z	.0	.9	.0	.0	.0	.0	.0	.9	.0	9.6	.0	.0	1.0	.0	87.7
1802Z	.0	1.4	.0	.0	.0	.0	.0	1.4	.7	.7	.0	.0	5.0	.0	91.4
TOT PCT	.4	.0	.0	.0	.0	.0	.0	1.2	.7	4.7	.0	.0	3.9	.0	90.0
TOT OBS:	490														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	1.4	3.3	.7	.0	.0	.0		5.4	6.2	5.9	.0	6.0	25.0	2.6	.0	6.1	.0
NE	.4	1.7	.5	.0	.0	.0		2.6	7.4	1.9	.0	2.0	.0	.0	.0	3.2	.0
E	2.1	5.0	.9	.1	.1	.0		8.3	7.8	14.1	.0	4.1	.0	4.3	.0	9.4	.0
SE	1.8	12.0	7.3	1.0	.2	.0		22.3	10.4	33.6	.0	22.9	.0	15.2	100.0	19.7	50.0
S	2.7	9.2	3.4	.5	.0	.0		15.9	8.1	12.8	50.0	23.4	.0	12.2	.0	15.9	.0
SW	1.9	5.3	1.1	.0	.0	.0		8.3	6.7	3.2	.0	6.7	.0	14.6	.0	8.8	.0
W	2.1	6.4	1.2	.0	.0	.0		9.8	6.2	8.2	.0	11.5	.0	14.3	.0	8.0	.0
NW	2.6	10.8	4.1	.0	.0	.0		17.5	7.7	14.5	.0	13.5	25.0	21.5	.0	19.1	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.9							9.9	.0	5.9	50.0	9.2	50.0	13.0	.0	9.7	50.0
TOT OBS	149	321	115	10	2	0	597		7.3	119	2	109	2	115	1	247	2
TOT PCT	25.0	53.0	19.3	1.7	.3	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	12	18
N	3.5	1.9	.0	.0	.0		5.4	6.2	5.8	6.3	2.6	6.0	
NE	1.3	1.3	.0	.0	.0		2.6	7.4	1.9	2.7	1.9	3.2	
E	4.0	3.9	.3	.1	.0		8.3	7.8	13.0	4.1	4.3	9.3	
SE	8.2	10.6	3.1	.4	.0		22.3	10.4	33.1	22.9	15.9	20.0	
S	8.2	6.7	1.0	.0	.0		15.9	8.1	13.4	23.0	12.1	15.0	
SW	5.0	3.1	.2	.0	.0		8.3	6.7	3.1	6.5	14.4	8.7	
W	6.4	3.2	.3	.0	.0		9.8	6.2	8.1	11.3	14.2	7.9	
NW	9.0	7.7	.7	.0	.0		17.5	7.7	14.3	13.7	21.3	19.0	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	9.9						9.9	.0	6.6	9.9	12.9	10.0	
TOT OBS	331	230	33	3	0	597		7.3	121	111	116	249	
TOT PCT	55.4	38.5	5.5	.5	.0		100.0		100.0	100.0	100.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				40+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	6.6	14.0	51.2	22.3	5.0	.8	.0	.0	8.6	100.0	121
0600	9.9	9.9	55.0	22.5	1.8	.9	.0	.0	6.0	100.0	111
1200	12.9	11.2	56.9	19.0	.0	.0	.0	.0	6.0	100.0	116
1800	10.0	14.7	53.0	16.5	.6	.0	.0	.0	6.6	100.0	249
TOT	59	90	321	115	10	2	0	7.3			597
PCT	9.9	15.1	53.8	19.3	1.7	.3	.0		100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	5.2	.6	.0	.0		1.4
NE	.6	1.0	.3	.5		4.1
E	3.0	1.5	3.1	.7		3.7
SE	9.6	3.4	5.0	1.7		3.3
S	10.0	1.9	2.6	.4		2.4
SW	4.7	1.4	1.6	.5		2.5
W	5.9	2.6	2.1	.7		2.8
NW	12.1	2.4	1.9	.7		1.9
VAR	.0	.0	.0	.0		.0
CALM	8.4	1.6	.7	.2		1.4
TOT OBS	261	73	82	23	439	2.5
TOT PCT	59.5	16.6	18.7	5.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

000	150	300	400	1000	2000	3500	5000	6500	8000+	NM <5/8 ANY HGT	TOTAL OBS
100	200	300	400	1000	2000	3000	4000	6000	7000		
.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	6.0	
.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	1.9	
.0	.0	.4	.7	.5	.6	.2	.2	.0	.0	5.6	
.0	.0	.1	1.4	.5	1.3	.3	.0	.0	.0	16.9	
.0	.0	.0	.2	.2	.6	.0	.0	.0	.0	14.0	
.1	.0	.2	.7	.0	.5	.0	.0	.0	.0	6.7	
.2	.0	.0	.0	.9	.2	.2	.3	.0	.0	9.5	
.0	.0	.0	.0	.3	.5	.5	.1	.0	.0	15.7	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	10.7	
1	0	3	14	15	16	5	3	0	0	382	439
.2	.0	.7	3.2	3.4	3.6	1.1	.7	.0	.0	87.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	≥ OR >10	≥ OR >5	≥ OR >2	VSBY (NM)				≥ OR >1/2	≥ OR >1/4	≥ OR >5000	≥ OR >0
				≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >5000				
≥ OR >6000	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
≥ OR >5000	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	
≥ OR >4000	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
≥ OR >3000	5.2	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	
≥ OR >2000	8.6	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	
≥ OR >1000	11.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	
≥ OR >500	11.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	
≥ OR >150	11.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	
≥ OR >0	11.7	12.8	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	
TOTAL	52	57	58	58	58	58	58	58	58	58	

TOTAL NUMBER OF OBS: 444

PCT FREQ NM <5/8: 86.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
30.6	22.2	17.9	8.6	6.3	5.0	2.4	4.1	2.8	.0	444

SEPTEMBER

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1880-1879

AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.2	.1	.2	.0	.0	.0	.0	.0	.4	
	NO PCP	.2	.0	.0	.2	.0	.0	.0	.3	.0	.2	.4	
	TOT 8	.2	.0	.2	.3	.2	.0	.0	.3	.0	.2	1.3	
5<10	PCP	.0	.0	.2	.3	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.3	.0	.2	.5	.5	.4	.4	1.0	.0	.2	3.4	
	TOT 8	.3	.0	.3	.8	.5	.4	.4	1.0	.0	.2	3.8	
10+	PCP	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	5.5	2.0	7.3	21.5	13.9	7.5	10.4	16.0	.0	10.4	94.5	
	TOT 8	5.5	2.4	7.3	21.5	13.9	7.5	10.4	16.0	.0	10.4	94.9	
TOT OBS													
TOT PCT													
		5.9	2.4	7.0	22.4	14.6	7.0	10.4	17.3	.0	10.4	100.0	472

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	4-10	.2	.0	.0	.1	.2	.0	.0	.3	.0	.0	.6	
	11-21	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	22+	.0	.0	.2	.1	.2	.0	.0	.0	.0	.0	.4	
	TOT 8	.2	.0	.2	.4	.3	.0	.0	.3	.0	.2	1.6	
5<10	0-3	.0	.0	.0	.0	.2	.1	.0	.0	.0	.2	.4	
	4-10	.2	.0	.2	.3	.2	.3	.4	.3	.0	.0	1.7	
	11-21	.2	.0	.0	.3	.2	.0	.0	.7	.0	.0	1.3	
	22+	.0	.0	.2	.3	.0	.0	.0	.0	.0	.0	.4	
	TOT 8	.3	.0	.3	.8	.5	.4	.4	.9	.0	.2	3.8	
10+	0-3	1.2	.1	2.1	1.5	.9	1.4	1.6	2.5	.0	10.3	21.0	
	4-10	3.5	1.7	4.1	11.6	8.0	4.9	7.1	10.1	.0		51.7	
	11-21	.7	.6	1.1	7.4	3.5	1.4	1.4	3.6	.0		19.9	
	22+	.0	.0	.0	1.2	.5	.0	.0	.0	.0		1.7	
	TOT 8	5.4	2.4	7.2	21.5	13.0	7.6	10.3	16.1	.0	10.3	94.7	
TOT OBS													
TOT PCT													
		5.9	2.4	7.7	22.7	14.6	8.0	10.7	17.3	.0	10.7	100.0	476

SEPTEMBER

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1880-1979AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000Z	.0	.0	.0	5.1	2.5	3.4	.0	.0	.0	.0	.0	12.7	87.3	110
0600Z	.0	.0	.0	.0	2.0	3.9	.0	1.0	.0	.0	.0	6.9	93.1	102
1201Z	.9	.0	.9	2.0	2.0	3.0	.9	.0	.0	.0	.0	12.3	87.7	106
1802Z	.0	.0	.0	3.9	5.4	3.9	2.3	1.6	.0	.0	.0	17.6	82.2	129
TOT	1	0	3	14	15	17	5	3	0	0	0	50	397	465
PCT	.2	.0	.7	3.1	3.3	3.7	1.1	.7	.0	.0	.0	12.7	87.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000Z	.0	.0	.0	.0	2.5	96.7	122
0600Z	.0	.0	.0	2.7	4.4	92.9	113
1201Z	.0	.0	.0	.9	7.0	92.2	115
1802Z	.0	.0	.0	1.4	2.2	96.4	138
TOT	0	0	0	7	19	462	480
PCT	.0	.0	.0	1.4	3.9	96.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000Z	.0	.9	6.0	6.6	87.2	117
0600Z	.0	.0	1.0	7.1	91.9	99
1201Z	1.0	2.0	5.9	7.0	86.3	102
1802Z	.0	.0	6.3	13.5	80.2	126
TOT	1	4	22	40	382	444
PCT	.2	.9	5.0	9.0	86.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.9	.2	.2	.0	6	1.3
90/94	.0	.0	.0	.4	6.0	4.7	1.1	.4	97	12.7
85/89	.0	.2	.2	1.1	6.0	10.9	12.4	1.0	103	40.7
80/84	.0	.0	.0	.7	3.1	11.3	16.2	4.9	172	36.2
75/79	.0	.0	.0	.0	.7	1.3	2.0	1.1	23	5.1
70/74	.0	.0	.0	.0	.0	.0	1.1	.4	7	1.6
65/69	.0	.0	.0	.0	.0	.0	.4	.0	2	.4
TOTAL	0	1	1	10	76	164	160	39	450	100.0
PCT	.0	.2	.2	2.2	16.7	36.4	35.6	8.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.7	.0	.2	.0	.4	.0	.0
1.2	.6	2.3	2.2	1.8	.6	.0	1.9	.0	1.6
2.7	.3	2.1	11.2	6.5	3.4	3.2	5.9	.0	5.3
1.6	1.4	3.7	8.0	6.6	3.0	5.4	4.0	.0	3.8
.6	.4	.2	.3	.2	1.2	.9	1.1	.0	.2
.0	.0	.0	.0	.0	.0	.4	.9	.0	.2
.0	.0	.0	.0	.2	.0	.0	.2	.0	.0
6.1	2.8	8.2	22.3	15.3	8.4	10.4	15.3	.0	11.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	998	958	508	58	18	MIN	MEAN	TOTAL OBS
0000Z	98	96	94	87	80	68	67	87.2	121
0600Z	89	88	87	84	76	68	68	83.3	115
1201Z	84	85	85	83	77	71	71	82.4	116
1802Z	98	95	93	88	81	75	74	87.1	244
TOT	98	95	92	86	79	71	67	85.5	596

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	5.2	31.9	36.2	24.1	2.6	73	116		
0600Z	.0	.9	4.7	36.4	46.7	11.2	80	107		
1201Z	.0	.0	11.0	26.6	47.7	14.7	81	109		
1802Z	.0	3.8	16.9	46.9	29.4	6.9	76	130		
TOT	0	12	76	171	163	40	77	462		

SEPTEMBER

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 66	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	NO FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.2	1	.0	.2
14/16	.0	.0	.0	.0	.0	.0	.2	.2	2	.0	.4
11/13	.0	.0	.0	.0	.2	.2	.2	.0	3	.0	.7
9/10	.0	.0	.0	.0	.0	.4	.0	.2	3	.0	.7
7/8	.0	.0	.0	.0	.0	.7	1.1	1.1	13	.0	2.9
6	.0	.0	.0	.0	.2	.0	1.1	.7	9	.0	2.0
5	.0	.0	.0	.0	.0	.4	2.2	.4	14	.0	3.1
4	.0	.2	.0	.2	.2	2.2	1.8	.7	24	.0	5.4
3	.0	.0	.7	.0	.2	1.6	1.1	.2	15	.0	3.4
2	.0	.2	.4	.0	1.6	2.5	1.6	.0	28	.0	6.3
1	.0	.4	.4	.2	1.1	4.3	2.2	.0	39	.0	8.7
0	.2	.2	.2	.0	3.4	5.8	.7	.0	47	.0	10.5
-1	.0	.0	.2	.2	2.9	4.3	.0	.0	34	.0	7.6
-2	.0	.0	.0	.0	5.6	7.6	.2	.0	60	.0	13.4
-3	.0	.2	.0	.7	5.1	6.7	.0	.0	48	.0	10.7
-4	.0	.0	.7	.4	6.3	1.8	.2	.0	40	.0	8.9
-5	.0	.0	.2	.4	4.3	.7	.0	.0	25	.0	5.6
-6	.2	.2	.0	1.1	2.9	.7	.0	.0	21	.0	4.7
-7/-8	.0	.2	.0	1.8	1.8	.2	.0	.0	18	.0	4.0
-9/-10	.0	.0	.0	.7	.0	.0	.0	.0	3	.0	.7
TOTAL	2	6	9	26	160	168	57	17	447	0	447
PCT	.4	1.6	2.0	5.8	35.8	37.6	12.8	3.8	100.0		100.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.9	.7	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.9	1.3	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.7	.0	.7	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.4	2.0	1.3	.0	.0	.0	5.7	.0	.9	.0	.0	.0	.0	.0	.0	.9

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	1.8	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	1.5	1.3	.7	.0	.0	.0	3.5	.0	1.1	5.9	2.2	.0	.0	.0	.0	9.2
3-4	.0	.0	.9	.0	.0	.0	.9	.0	.0	5.3	3.7	.0	.0	.0	.0	9.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.9	.0	.0	.0	2.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.3	1.3	1.5	.0	.0	.0	6.1	1.1	12.1	7.5	.9	.0	.0	.0	.0	21.5

PERIOD: (OVER-ALL) 1963-1979

SEPTEMBER

AREA 003 BULF OF CALIFORNIA
25.5N 110.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	1.8
1-2	.0	9.0	2.4	.0	.0	.0	11.4	.0	5.7	.9	.0	.0	.0	6.6
3-4	.0	.9	.7	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.7	.0	.0	.0	2.2	.0	.0	.9	.0	.0	.0	.0
7	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.7	5.0	.0	.0	.0	16.7	.0	7.5	1.8	.0	.0	.0	9.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.9	.0	.0	.0	.0	.0	.9	.9	2.0	.9	.0	.0	.0	3.7	
1-2	.9	5.3	.9	.0	.0	.0	7.0	.0	3.9	.9	.0	.0	.0	4.8	
3-4	.0	1.3	1.3	.0	.0	.0	2.6	.0	1.5	.0	.0	.0	.0	2.2	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1	
7	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.9	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.8	6.6	2.2	.0	.0	.0	10.5	1.1	6.4	5.3	.0	.0	.0	12.7	83.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	26.0	9.1	.8	.0	.0	.0	30.9	005
1-2	4.9	30.9	7.3	.0	.0	.0	43.1	
3-4	1.6	7.3	8.1	.0	.0	.0	17.1	
5-6	.0	1.6	9.1	.0	.0	.0	6.5	
7	.0	.0	2.4	.0	.0	.0	2.4	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	32.5	43.9	22.8	.0	.0	.0	100.0	123

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	10.2	35.0	16.5	7.0	.5	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	300	2
6-7	.7	1.9	3.2	1.9	.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	4
8-9	.2	.7	.2	.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	5
10-11	.0	.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
12-13	.0	.0	.2	.0	.2	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	8
>13	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
INDEX	12.8	2.6	.0	.2	.0	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	60	1
TOTAL	103	176	87	45	11	2	4	2	0	1	0	0	0	0	0	0	0	0	0	431	2
PCT	23.9	40.8	20.2	10.4	2.6	.5	.9	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1910-1979
(OVER-ALL) 1880-1979

OCTOBER

AREA 0003 GULF OF CALIFORNIA
25.6N 110.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION														
WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHUR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIR	PCPN AT 00 TIME	PCPN PAST HOUR	THDR LYNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG WFA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0 98.5
NE	1.5	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	6.2	.0 92.3
E	12.1	.0	.0	.0	.0	.0	.0	12.1	.0	6.9	.0	.0	.0	.0 81.0
SE	.0	1.7	.4	.0	.0	.0	.0	2.1	.0	5.0	.0	.0	3.8	.0 89.1
S	2.1	.0	1.6	.0	.0	.0	.0	3.7	.0	3.7	.0	.0	5.9	.0 86.6
SW	.0	2.3	.0	.0	.0	.0	.0	2.3	.0	10.2	.0	.0	7.3	.0 89.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	2.0	.0	1.9	.0 87.5
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.5	.0	.7	.0 98.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	1.3	.0	.0	.0	.0	1.3	.0	1.3	.0	.0	7.6	1.3 93.4
TOT PCT	.5	.3	.3	.0	.0	.0	.0	1.2	.0	2.6	.3	.0	7.3	.2 93.4
TOT OBS:	607													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR														
HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHUR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIR	PCPN AT 00 TIME	PCPN PAST HOUR	THDR LYNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG WFA
0000	1.4	1.4	.0	.0	.0	.0	.0	2.7	.0	.7	.7	.0	2.1	.0 94.5
0600	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	.0	.0	1.9	.0 93.7
1200	1.3	.0	1.3	.0	.0	.0	.0	2.7	.0	5.3	.0	.0	.0	.0 92.0
1800	.6	.6	.0	.0	.0	.0	.0	1.2	.0	.6	.6	.0	5.3	.6 91.8
TOT PCT	.8	.5	.3	.0	.0	.0	.0	1.6	.0	2.7	.3	.0	2.4	.2 92.9
TOT OBS:	624													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR																
WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	2.1	9.4	5.0	.8	.4	.0	17.7	10.5	20.6	.0	16.3	10.7	17.8	45.8	17.0	.0
NE	.9	1.7	.4	.0	.0	.0	3.0	6.6	2.3	.0	.8	.0	6.0	16.7	2.9	.0
E	1.2	1.6	.2	.0	.1	.0	3.1	6.7	3.5	.0	1.0	14.3	2.4	.0	3.8	.0
SE	1.8	4.0	2.5	.5	.0	.0	8.8	9.0	12.2	.0	12.5	.0	5.6	.0	7.6	.0
S	1.9	4.0	1.7	.3	.0	.0	8.0	7.8	5.7	.0	5.1	.0	10.0	.0	9.8	.0
SW	1.1	3.6	1.6	.4	.1	.0	6.5	8.2	4.6	33.3	10.7	.0	5.8	.0	5.7	.0
W	2.0	5.1	.9	.0	.1	.0	8.1	7.0	6.7	.0	4.8	.0	11.7	16.7	8.5	58.3
NW	3.1	18.1	11.1	1.1	.2	.0	33.6	18.2	31.6	66.7	33.2	60.7	30.1	20.6	35.7	8.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	11.2						11.2	.0	12.8	.0	14.3	14.3	10.6	.0	9.1	31.3
TOT OBS	201	376	187	22	8	0	794		8.2	141	3	150	7	142	8	342
TOT PCT	25.3	47.4	23.6	2.8	1.0	.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	5.4	9.6	2.1	.7	.0		17.7	10.5	20.1	16.1	18.9
NE	1.7	1.3	.0	.0	.0		3.0	6.6	2.3	.8	6.4
E	2.0	1.0	.0	.1	.0		3.1	6.7	3.5	1.6	2.7
SE	4.3	3.4	1.0	.1	.0		8.8	9.0	12.0	11.9	5.4
S	4.4	3.1	.3	.1	.0		8.0	7.8	5.6	5.1	9.6
SW	3.0	3.3	.9	.1	.0		6.5	8.2	5.2	10.2	5.6
W	4.6	3.1	.2	.1	.0		8.1	7.0	6.6	4.6	11.5
NW	9.0	20.7	3.1	.7	.0		33.6	18.2	32.3	34.4	29.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
CALM	11.2						11.2	.0	12.5	15.3	10.1
TOT OBS	362	362	54	16	0	794		8.2	144	157	148
TOT PCT	45.6	45.6	6.8	2.0	.0		100.0		100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1910-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+		
00003	12.5	9.0	45.8	27.8	4.9	.0	.0	8.8	100.0
00409	15.3	10.2	49.7	22.3	1.3	1.3	.0	7.8	100.0
12415	10.1	11.5	52.7	21.6	2.7	1.4	.0	8.5	100.0
18421	9.3	19.1	44.6	23.2	2.6	1.2	.0	8.0	100.0
TOT	89	112	376	187	22	8	0	8.2	794
PCT	11.2	14.1	47.4	23.6	2.8	1.0	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	14.7	2.3	2.0	.4		1.5
NE	1.7	.2	.3	.5		2.6
E	1.3	.7	.5	.2		3.0
SE	6.1	1.4	1.4	.4		2.4
S	4.9	1.4	.8	.6		2.2
SW	4.4	1.4	.9	.4		2.1
W	4.0	1.0	3.0	.3		3.1
NW	21.8	3.1	4.2	.6		1.7
VAR	.0	.0	.0	.0		.0
CALM	9.0	2.0	1.1	.4		1.7
TOT OBS	377	75	81	22	555	2.0
TOT PCT	67.9	13.5	14.6	4.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NM ANY	5/8 HGT	TOTAL OBS
N	.0	.1	.0	.2	.5	.6	.1	.0	.0	.0	17.8		
NE	.0	.0	.0	.0	.2	.1	.0	.2	.0	.2	2.1		
E	.0	.0	.0	.0	.2	.0	.2	.0	.0	.0	2.3		
SE	.2	.0	.2	.4	.2	.5	.2	.0	.0	.0	8.5		
S	.0	.0	.0	.5	.0	.2	.0	.0	.1	.0	6.8		
SW	.0	.0	.2	.2	.0	.0	.2	.0	.0	.0	6.5		
W	.1	.0	.0	.1	.3	.7	.0	.0	.0	.0	7.0		
NW	.2	.4	.0	.4	1.0	.5	.2	.0	.2	.2	27.0		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.0	.0	.2	.0	.4	.2	.2	.0	.0	.4	11.4		
TOT OBS	3	1	3	8	15	16	6	1	2	4	496		555
TOT PCT	.5	.2	.5	1.4	2.7	2.9	1.1	.2	.4	.7	89.4		100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1
= OR >5000	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
= OR >3500	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3
= OR >2000	4.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2
= OR >1000	6.4	7.6	7.6	7.6	7.6	7.6	7.6	7.6
= OR >600	7.5	9.1	9.1	9.1	9.1	9.1	9.1	9.1
= OR >300	7.6	9.2	9.2	9.6	9.6	9.6	9.6	9.6
= OR >150	7.8	9.4	9.4	9.8	9.8	9.8	9.8	9.9
= OR >0	7.8	9.4	9.8	10.1	10.1	10.1	10.1	10.3
TOTAL	44	53	55	57	57	57	57	58

TOTAL NUMBER OF OBS: 563

PCT FREQ NM <5/8: 89.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
44.6	21.3	12.1	6.5	5.3	2.7	2.7	3.2	1.2	.3	887	

PERIOD: (PRIMARY) 1910-1979
(OVER-ALL) 1880-1979

OCTOBER

AREA 0003 GULF OF CALIFORNIA
25.6N 110.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	0	.1	.0	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	
	TOT 8	.0	0	.1	.0	.0	.0	.2	.0	.0	.0	.3	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	
	TOT 8	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.3	
	TOT 8	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.3	
2<5	PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.2	.0	.0	.2	.0	.0	.0	.0	.0	.3	
	TOT 8	.0	.2	.0	.2	.2	.0	.0	.0	.0	.0	.5	
5<10	PCP	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	.3	
	NO PCP	.3	.1	.2	.3	1.0	.5	.6	1.2	.0	.3	4.4	
	TOT 8	.3	.1	.3	.3	1.0	.5	.6	1.2	.0	.5	4.7	
10+	PCP	.0	.0	.0	0	.3	.2	.0	.0	.0	.0	.5	
	NO PCP	18.7	2.4	2.0	9.0	6.3	6.6	7.1	29.2	.0	12.3	93.4	
	TOT 8	18.7	2.4	2.0	9.1	6.6	6.7	7.1	29.2	.0	12.3	93.9	
TOT OBS													595
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPO KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	0	.1	.0	.0	.0	.2	.0	.0	.0	.3	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 8	.0	0	.1	.0	.0	.0	.2	.0	.0	.0	.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 8	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.3	
	TOT 8	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	
	11-21	.0	.2	.0	.2	.0	.0	.1	0	.0	.0	.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 8	.0	.2	.0	.2	.2	.0	.1	0	.0	.0	.7	
5<10	0-3	.0	.0	.0	.2	.0	.0	.3	.0	.0	.0	.5	
	4-10	.2	.1	.2	0	.6	.2	.3	.4	.0	.0	2.0	
	11-21	.0	.0	.2	0	.2	.2	.0	.0	.0	.0	1.5	
	22+	.0	.0	.0	.0	.1	0	.0	.0	.0	.0	.2	
	TOT 8	.2	.1	.3	.2	1.0	.5	.6	1.2	.0	.5	4.6	
10+	0-3	1.9	.4	.6	1.4	1.4	.9	1.3	2.6	.0	12.3	22.7	
	4-10	10.3	1.7	1.5	6.4	3.2	4.0	5.0	15.2	.0		55.3	
	11-21	5.0	.3	.0	2.6	1.8	1.9	.6	10.3	.0		22.6	
	22+	1.5	.0	.0	.5	.2	.0	.2	1.0	.0		3.3	
	TOT 8	18.7	2.4	2.1	9.0	6.5	6.8	7.1	29.1	.0	12.3	93.9	
TOT OBS													601
TOT PCT													100.0

OCTOBER

PERIOD: (PRIMARY) 1910-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.1W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	4500 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.0	.7	.0	2.9	.7	2.1	1.4	.7	.0	.0	8.6	91.4	140
06009	.0	.0	1.4	.0	2.1	2.8	1.4	.0	.0	.0	7.6	92.4	145
12015	1.4	.0	.7	2.2	5.1	2.9	.0	.0	.0	.7	13.0	87.0	138
18021	.6	.6	.0	.6	2.4	3.0	1.2	.0	1.2	1.6	11.6	88.4	144
TOT	3	2	3	8	15	16	6	1	2	4	60	527	587
PCT	.5	.3	.5	1.4	2.6	2.7	1.0	.2	.3	.7	10.2	89.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	2.1	.0	.0	.0	3.4	94.5	146
06009	.0	.6	.6	.0	3.2	95.5	156
12015	.7	.0	.7	1.4	7.5	89.8	147
18021	.0	.0	.0	1.2	4.1	94.7	171
TOT	4	1	2	4	28	581	620
PCT	.6	.2	.3	.6	4.5	93.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.7	.7	3.7	5.7	91.1	135
06009	.0	1.4	1.4	6.4	92.2	141
12015	.0	1.5	3.0	6.4	87.0	133
18021	.6	1.3	2.6	13.3	87.2	156
TOT	3	7	16	43	504	563
PCT	.5	1.2	2.6	7.6	89.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.7	1.8	.4	.4	.0	18	3.2
85/89	.0	.0	.0	2.5	4.6	7.0	3.7	.4	103	16.1
80/84	.0	.0	.2	2.1	10.5	18.2	14.0	2.3	270	47.4
75/79	.0	.0	.0	2.3	6.0	6.2	5.3	1.9	140	24.6
70/74	.0	.0	.0	.4	2.3	1.2	.7	.9	38	5.3
65/69	.0	.0	.0	.0	.4	.0	.7	.5	9	1.6
TOTAL	0	0	1	45	149	200	141	34	576	100.0
PCT	.0	.0	.2	7.9	26.1	35.1	24.7	6.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.4	.0	.0	.5	.5	.0	.0	.4	.0	1.2
85/89	3.6	.4	1.1	2.5	1.5	2.0	1.2	3.1	.0	2.8
80/84	7.0	1.1	.9	5.2	4.3	3.9	3.8	15.4	.0	5.8
75/79	6.1	1.1	.7	1.6	1.3	1.5	2.9	6.9	.0	2.5
70/74	1.8	.3	.0	.1	.4	.2	.2	2.2	.0	.2
65/69	.3	.0	.0	.0	.2	.0	.0	1.0	.0	.2
TOTAL	19.0	2.9	2.7	9.9	8.2	7.6	8.1	29.0	.0	12.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	95	93	90	83	72	71	65	82.5	146
06009	87	86	85	80	72	66	65	79.8	159
12015	86	85	84	79	73	68	66	79.0	153
18021	93	91	90	82	76	71	68	82.7	141
TOT	95	91	89	81	74	68	65	81.4	799

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	13.3	34.1	36.3	13.3	3.0	7.0		70	139
06009	.0	3.2	18.2	32.5	36.4	9.7			78	156
12015	.0	3.5	19.0	32.4	37.3	7.7			77	142
18021	.0	13.2	32.9	30.5	11.8	2.6			70	152
TOT	0	48	151	205	145	34			74	563

OCTOBER

PERIOD: (PRIMARY) 1910-1979
(OVER-ALL) 1880-1979AREA 0003 GULF OF CALIFORNIA
25.6N 110.1W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65	69	73	77	81	85	89	>92	TOT	N FOG	NO FOG
11/13	.0	.0	.0	.0	.2	.2	.0	.0	2	.0	.3
9/10	.0	.0	.0	.0	.0	.2	.2	.2	3	.0	.5
7/8	.0	.0	.3	.3	.2	.3	.4	.2	11	.0	1.6
6	.0	.0	.0	.3	.3	.3	.3	.0	8	.0	1.3
5	.0	.0	.0	.0	.0	.0	.3	.0	2	.0	.3
4	.0	.0	.2	.2	.2	.5	.5	.2	10	.0	1.7
3	.0	.0	.0	.5	.8	2.2	.2	.0	22	.0	3.7
2	.0	.0	.2	.0	.8	1.5	1.0	.0	21	.0	3.5
1	.0	.2	.3	.5	2.4	2.5	.3	.0	37	.0	6.2
0	.0	.0	.2	1.5	4.7	3.9	.0	.0	61	.0	10.3
-1	.0	.2	.2	1.5	4.0	2.2	.0	.0	48	.0	8.1
-2	.3	.2	.2	3.0	5.4	.7	.2	.0	59	.0	9.9
-3	.3	.2	.5	4.4	5.4	1.5	.0	.0	73	.2	12.1
-4	.2	.2	.5	4.5	6.7	.0	.0	.0	72	.2	11.9
-5	.2	.3	1.7	5.4	3.2	.0	.0	.0	64	.0	10.8
-6	.0	.3	1.5	4.0	.8	.0	.0	.0	40	.0	6.7
-7/-8	.2	.3	2.5	2.9	.5	.0	.0	.0	38	.0	6.4
-9/-10	.0	.3	1.8	1.3	.0	.0	.0	.0	21	.0	3.5
-11/-13	.0	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
-14/-16	.3	.0	.0	.0	.0	.0	.0	.0	2	.0	.3
TOTAL	9	13	61	181	95	212	21	3	595	2	593
PCT	1.5	2.2	10.3	30.4	35.6	16.0	3.5	.5	100.0	.3	99.7

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.6	.0	.0	.0	.6	.0	.0	1.9	.0	.0	.0	.0	1.9	.0
1-2	1.1	9.3	.5	.0	.0	.0	10.9	.0	.0	.2	.0	.0	.0	.0	.0	.2
3-4	.5	3.4	2.6	.0	.0	.0	6.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	3.4	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	12.7	7.6	.0	.0	.0	21.9	.0	2.1	.6	.0	.0	.0	.0	.0	2.8

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	1.1	.0	.0	.0	.0	.0	1.1	.0	.2	.0	.0	.0	.0	.0	1.0	.0
1-2	.6	.6	.0	.0	.0	.0	1.3	.0	.0	3.9	.6	.0	.0	.0	4.5	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.6	.0	.0	.0	1.9	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.6	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	1.3	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	.6	.0	.0	.0	.0	2.4	.0	2.2	5.0	3.6	1.3	.0	.0	10.1	.0

PERIOD: (OVER-ALL) 1963-1979

OCTOBER
TABLE 18 (CONT)

AREA 0001 GULF OF CALIFORNIA
25.6N 110.1W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S										SW									
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT						
<1	.0	.5	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0						
1-2	.0	1.1	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0						1.5
3-4	.0	1.9	1.6	.0	.0	.0	3.6	.0	1.0	.6	.0	.0	.0	.0						1.6
5-6	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0						.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0
TOT PCT	.0	3.6	2.3	.0	.0	.0	5.9	.0	1.6	1.3	.0	.0	.0	.0						3.1

HGT	S										SW										TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT							
<1	1.3	.0	.0	.0	.0	.0	1.3	.6	.0	.0	.0	.0	.0	.6						.6	
1-2	.0	3.4	.0	.0	.0	.0	3.4	.2	9.9	1.5	.0	.0	.0	11.6						11.6	
3-4	.0	.0	.0	.0	.0	.0	.0	.2	7.0	9.2	.0	.0	.0	12.3						12.3	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	.0	.0	.0	5.7						5.7	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	1.5						1.5	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.6						.6	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						.0	
TOT PCT	1.3	4.1	.0	.0	.0	.0	5.4	1.0	16.9	16.4	.0	.0	.0	32.7						83.0	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	21.0	1.2	.6	.0	.0	.0	22.8	885
1-2	1.9	26.7	1.2	.0	.0	.0	28.8	
3-4	.6	13.4	11.5	.0	.0	.0	25.5	
5-6	.0	.6	10.6	.0	.0	.0	11.2	
7	.0	.0	2.5	.6	.0	.0	3.2	
8-9	.0	.0	.6	.0	.0	.0	.6	
10-11	.0	.0	.0	.6	.0	.0	.6	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	23.6	45.9	29.3	1.3	.0	.0	100.0	157

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	11.7	27.0	15.7	4.6	2.4	.2	.5	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	34.6	2
6-7	.0	3.1	3.3	2.4	1.3	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6	4
8-9	.4	.4	.5	.0	1.1	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	6
10-11	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	2
12-13	.0	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	6
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDEX	15.4	3.1	1.8	1.3	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	120	1
TOTAL	150	191	110	45	29	2	6	1	3	2	0	0	0	0	0	0	0	0	0	547	2
PCT	27.4	34.9	21.6	8.2	5.3	.4	1.1	.2	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1907-1974
(OVER-ALL) 1880-1979

NOVEMBER

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG WFA
N	.7	.0	.0	.0	.0	.0	.0	.7	.4	.5	.0	.0	5.4	.0	92.9
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	85.7
E	.0	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	7.5	.0	82.5
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	.0	.0	.0	.0	92.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	.0	.0	1.9	.0	91.7
NW	.0	.4	.4	.0	.0	.0	.0	.9	.1	.8	.4	.0	3.6	.0	94.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	.0	.0	5.1	.0	93.8
TOT PCT	.2	.2	.4	.0	.0	.0	.0	.8	.2	1.3	.2	.0	4.2	.0	93.3
TOT OBS:	523														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG WFA
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8	.0	4.3	.0	90.2
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	.0	4.1	.0	91.7
12011	.7	.7	.7	.0	.0	.0	.0	2.0	.0	1.3	.7	.0	1.3	.0	94.8
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	95.9
TOT PCT	.2	.2	.4	.0	.0	.0	.0	.8	.2	1.3	.4	.0	4.2	.0	93.2
TOT OBS:	529														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							40+ TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18
N	2.0	10.2	11.7	1.5	.2	.0		25.7	12.1	34.4	.0	27.7	.0	24.2	.0	22.5	.0
NE	.0	2.4	.0	.0	.0	.0		3.9	7.0	5.7	.0	3.1	.0	4.4	.0	1.1	.0
E	.4	1.2	.6	.0	.0	.0		2.2	8.4	1.5	.0	2.3	.0	.7	37.5	2.4	.0
SE	.0	1.9	.3	.1	.0	.0		2.7	6.9	3.7	.0	2.1	.0	.8	12.5	3.3	.0
S	.9	1.2	.1	.0	.0	.0		2.2	4.9	1.3	.0	3.5	.0	1.8	.0	2.3	.0
SW	.3	1.5	1.2	.0	.0	.0		2.9	10.0	3.5	.0	2.1	.0	2.7	.0	3.1	.0
W	1.1	4.5	2.1	.1	.0	.0		7.8	8.4	7.6	.0	9.2	.0	8.1	.0	7.7	.0
NW	3.0	21.7	16.1	4.6	.2	.0		46.0	11.8	40.0	.0	45.0	.0	46.4	50.0	46.3	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.6							6.6	.0	2.2	.0	5.0	.0	10.7	.0	7.1	.0
TOT OBS	123	336	248	49	3	0	759		10.3	135	0	120	0	149	2	353	0
TOT PCT	16.2	44.3	32.7	6.5	.4	.0		100.0		100.0	.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+ TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40					00	03	06	09	12
N	6.1	14.4	4.6	.6	.0	25.7	12.1	34.4	27.7	23.0	22.5		
NE	2.2	1.2	.5	.0	.0	3.9	7.0	5.7	3.1	4.3	3.1		
E	1.3	.7	.3	.0	.0	2.2	8.4	1.5	2.3	1.2	2.4		
SE	1.0	.8	.0	.1	.0	2.7	6.9	3.7	2.1	1.0	3.3		
S	1.7	.5	.0	.0	.0	2.2	4.9	1.3	3.5	1.8	2.3		
SW	.9	1.7	.4	.0	.0	2.9	10.0	3.5	2.1	2.6	3.1		
W	3.5	3.7	.6	.0	.0	7.8	8.4	7.6	9.2	7.9	7.3		
NW	12.4	23.0	9.2	1.4	.0	46.0	11.8	40.0	45.0	46.7	46.3		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	6.6					6.6	.0	2.2	5.0	10.4	7.1		
TOT OBS	276	349	118	16	0	759		10.3	135	120	151	353	
TOT PCT	36.2	46.0	15.5	2.1	.0	100.0		100.0	100.0	100.0	100.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1907-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
29.5N 110.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+		
0000	2.2	9.6	39.3	40.7	6.7	1.5	.0	11.9	135
0600	5.0	6.7	47.5	35.0	5.6	.0	.0	10.2	120
1200	10.6	6.0	40.4	30.4	8.6	.0	.0	10.9	151
1800	7.1	12.2	46.7	26.0	5.7	.3	.0	9.4	359
TOT	50	73	336	248	49	3	0	10.3	759
PCT	6.6	9.6	44.3	32.7	6.5	.4	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	17.6	4.3	4.9	1.9	2.4	2.4
NE	1.4	.7	1.4	.5	3.6	.5
E	1.0	.4	.5	.7	3.2	.7
SE	1.4	.9	.2	.1	1.8	.1
S	1.6	.0	.4	.4	2.4	.4
SW	2.1	.2	.7	.2	2.5	.2
W	4.2	1.2	1.5	.5	2.7	.5
NW	27.8	5.1	7.8	2.8	2.2	2.2
VAR	.0	.0	.0	.0	.0	.0
CALM	5.0	.4	.7	.4	1.2	.4
TOT OBS	312	65	89	33	499	2.3
TOT PCT	62.5	13.0	17.8	6.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM) >4000
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER	CEILING HEIGHTS (FT, NM)										NM <5/8 ANY HGT	TOTAL OBS
							000 149	150 299	300 599	600 999	1000 1999	2000 3999	3500 4999	5000 6499	6500 7999	8000+ 9999		
N	17.6	4.3	4.9	1.9	2.4	2.4	.2	.2	.0	.7	.0	2.2	.4	.2	.5	.2	24.2	2.4
NE	1.4	.7	1.4	.5	3.6	.5	.0	.0	.5	.2	.2	.5	.4	.2	.0	.0	2.3	3.6
E	1.0	.4	.5	.7	3.2	.7	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	1.7	3.2
SE	1.4	.9	.2	.1	1.8	.1	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	2.8	1.8
S	1.6	.0	.4	.4	2.4	.4	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	1.8	2.4
SW	2.1	.2	.7	.2	2.5	.2	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	3.1	2.5
W	4.2	1.2	1.5	.5	2.7	.5	.0	.0	.0	.0	.2	.2	.2	.0	.0	.0	6.6	2.7
NW	27.8	5.1	7.8	2.8	2.2	2.2	.0	.3	.2	.4	1.4	1.2	1.4	.3	.6	.2	37.0	2.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.0	.4	.7	.4	1.2	.4	.0	.2	.0	.0	.0	.0	.2	.0	.0	.0	5.6	1.2
TOT OBS	312	65	89	33	499	2.3	1	3	5	7	10	23	15	4	5	2	62.5	499
TOT PCT	62.5	13.0	17.8	6.6	100.0		.2	.6	1.0	1.4	2.0	4.6	3.0	.8	1.0	.4	85.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM) >4000 AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>8	>6	>4	>3	>2	>1	>0
>10000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
>5000	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
>3000	4.6	5.2	5.2	5.2	5.2	5.2	5.2	5.2
>2000	6.4	9.6	9.6	9.6	9.6	9.6	9.6	9.6
>1000	10.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
>600	11.6	13.0	13.0	13.0	13.0	13.0	13.0	13.0
>300	12.4	13.8	14.0	14.0	14.0	14.0	14.0	14.0
>150	12.6	14.2	14.6	14.6	14.6	14.6	14.6	14.6
>0	12.6	14.2	14.6	14.6	14.6	14.6	14.6	14.6
TOTAL	6.7	7.1	7.4	7.4	7.4	7.4	7.4	7.4

TOTAL NUMBER OF OBS: 501

PCT FREQ NM <5/8: 85.2

TABLE 7a

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	9	TOTAL OBS
	46.8	16.1	10.2	8.6	3.1	4.3	4.5	2.8	3.5	.0	509

NOVEMBER

PERIOD: (PRIMARY) 1967-1979
(OVER-ALL) 1960-1979

AREA 0003 GULF OF CALIFORNIA
25.54 110.24

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	
	TOT S	.4	.0	.2	.0	.0	.0	.0	.0	.0	.2	.8	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	2.3	1.4	.1	.0	.0	.0	.2	2.1	.0	.0	6.1	
	TOT S	2.3	1.4	.1	.0	.0	.0	.2	2.1	.0	.0	6.1	
10+	PCP	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	
	NO PCP	25.7	2.9	1.6	2.9	2.5	3.0	7.3	40.8	.0	5.9	92.7	
	TOT S	25.7	2.9	1.6	2.9	2.5	3.0	7.3	41.2	.0	5.9	93.1	
TOT OBS													522
TOT PCT													28.4 4.4 1.9 2.9 2.5 3.0 7.5 43.2 .0 6.1 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT S	.4	.0	.2	.0	.0	.0	.0	.0	.0	.2	.8	
5<10	0-3	.1	.2	.1	.0	.0	.0	.0	.6	.0	.0	1.1	
	4-10	1.4	1.0	.0	.0	.0	.0	.2	.5	.0	.0	3.0	
	11-21	.5	.2	.0	.0	.0	.0	.0	.5	.0	.0	1.1	
	22+	.3	.0	.0	.0	.0	.0	.0	.5	.0	.0	.8	
	TOT S	2.3	1.4	.1	.0	.0	.0	.2	2.0	.0	.0	6.1	
10+	0-3	1.2	.6	.1	.5	.9	.0	.5	2.5	.0	5.9	12.2	
	4-10	9.6	1.6	.9	2.0	1.7	1.4	4.0	17.9	.0		39.4	
	11-21	12.8	.7	.5	.4	.0	1.6	2.7	16.3	.0		35.0	
	22+	1.6	.0	.0	.0	.0	.0	.2	4.7	.0		6.7	
	TOT S	25.7	2.9	1.6	2.9	2.5	3.0	7.4	41.3	.0	5.9	93.2	
TOT OBS													526
TOT PCT													28.3 4.3 1.9 2.9 2.5 3.0 7.6 43.3 .0 6.1 100.0

NOVEMBER

PERIOD: (PRIMARY) 1907-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	1.5	.0	.8	6.0	1.5	1.5	.0	.0	12.8	87.2	133
06009	.0	.0	.0	2.7	1.8	4.5	2.7	.0	.9	.0	12.6	87.4	111
12015	.7	.7	.7	2.1	3.5	2.8	2.8	.7	2.1	.0	16.2	83.8	142
18021	.0	.0	1.7	.8	1.7	5.0	5.0	.8	.0	1.7	17.4	82.6	121
TOT	1	3	5	7	10	23	15	4	5	2	75	432	507
PCT	.2	.6	1.0	1.4	2.0	4.5	3.0	.8	1.0	.4	14.8	85.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	7.4	92.6	136
06009	.0	.0	.0	.0	5.0	95.0	120
12015	.0	.0	.0	1.3	7.8	90.9	154
18021	.0	.0	.0	1.6	4.1	94.3	122
TOT	0	0	0	4	33	495	532
PCT	.0	.0	.0	.8	6.2	93.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.0	2.3	2.3	10.7	87.0	131
06009	.0	.0	2.8	10.1	87.2	109
12015	.7	2.1	4.3	12.1	83.7	141
18021	.0	2.5	4.2	13.3	82.5	120
TOT	1	9	17	50	426	501
PCT	.2	1.8	3.4	11.6	85.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.6	.0	.0	.0	3	.6
81/89	.0	.0	.0	1.0	.8	.6	.2	.0	13	2.6
80/84	.0	.0	.0	3.0	5.7	4.9	1.0	.6	75	15.2
75/79	.0	.0	.6	3.0	10.4	16.3	5.7	2.2	188	38.2
70/74	.0	.0	1.4	2.8	8.7	8.1	6.9	2.0	148	30.1
65/69	.0	.0	.8	1.2	2.8	1.8	3.3	1.4	56	11.4
60/64	.0	.0	.0	.0	.2	.6	.6	.4	9	1.8
TOTAL	0	0	14	55	144	159	87	33	492	100.0
PCT	.0	.0	2.8	11.2	29.3	32.3	17.7	6.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.4	.0	.0	.0	.0	.0	.0	.3	.0	.0
81/89	.8	.0	.0	.1	.2	.1	.2	1.2	.0	.2
80/84	4.1	.9	.4	1.0	.4	.7	.6	6.1	.0	1.0
75/79	10.5	1.5	.8	.7	1.1	1.0	2.8	17.4	.0	2.4
70/74	7.8	1.2	.6	.5	.5	1.1	3.5	12.8	.0	2.2
65/69	4.2	.1	.4	.7	.2	.4	1.1	4.4	.0	.0
60/64	.9	.1	.0	.0	.2	.1	.0	.5	.0	.2
TOTAL	28.7	3.7	2.0	2.9	2.5	3.2	8.1	42.8	.0	6.1

TABLE 15

MEANS, EXTREMS AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	94	92	87	78	68	64	64	77.3	136
06009	82	81	79	74	66	64	60	73.5	121
12015	82	81	79	73	66	64	60	73.2	154
18021	94	90	86	76	68	64	64	76.7	122
TOT	94	89	85	76	67	64	60	75.5	740

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	22.4	29.6	34.4	9.6	4.0	68	125		
06009	.0	7.7	30.8	32.5	20.5	8.5	73	117		
12015	.0	7.1	22.9	33.6	27.1	9.3	75	140		
18021	.0	20.0	33.9	27.8	12.2	8.1	69	115		
TOT	0	70	144	160	88	35	72	497		

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PERIOD: (PRIMARY) 1907-1979
(OVER-ALL) 1880-1979AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)												
AIR-SEA TMP DIFF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	1	.0
16/13	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0	2	.0
9/10	.0	.0	.0	.0	.2	.6	.6	.4	.2	.2	11	.0
7/8	.0	.0	.0	.0	.2	.6	.6	.2	.2	.0	10	.0
6	.0	.0	.0	.4	.2	.4	.6	.4	.0	.0	10	.0
5	.0	.0	.0	.4	.2	.2	1.2	.4	.0	.0	12	.0
4	.0	.0	.0	.4	.2	1.0	1.0	.4	.0	.0	15	.0
3	.0	.2	.0	.0	.2	.2	.4	.2	.0	.0	6	.2
2	.0	.0	.0	1.0	1.2	1.6	1.4	.0	.0	.0	26	.7
1	.0	.0	.0	.4	1.0	.8	.8	.0	.0	.0	15	.0
0	.0	.0	.2	.2	1.0	3.4	1.6	.0	.0	.0	32	.0
-1	.0	.0	.0	.4	1.4	3.2	.6	.0	.0	.0	28	.0
-2	.0	.0	.2	.8	2.8	2.8	.8	.0	.0	.0	37	.0
-3	.0	.0	.4	1.4	3.4	3.2	.0	.0	.0	.0	42	.0
-4	.0	.2	1.0	2.2	3.6	2.0	.4	.0	.0	.0	47	.0
-5	.0	.2	1.0	2.2	4.4	3.4	.0	.0	.0	.0	56	.0
-6	.0	.0	1.0	2.4	3.8	2.6	.0	.0	.0	.0	49	.0
-7/-8	.2	.2	1.6	5.0	4.2	1.0	.0	.0	.0	.0	41	.0
-9/-10	.2	.4	2.0	2.2	.8	.0	.0	.0	.0	.0	28	.0
-11/-13	.0	.2	1.0	.2	.8	.0	.0	.0	.0	.0	11	.0
-14/-16	.0	.6	.0	.4	.0	.0	.0	.0	.0	.0	5	.0
-17/-19	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
TOTAL	2		42		148		51		7		505	2
PCT	.4	11	8.3	19.8	29.3	26.7	10.1	2.4	.6	.2	100.0	.4

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

NE												
WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47
<1	.0	1.7	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0
1-2	.0	3.9	1.0	.0	.0	.0	4.9	.7	1.7	.0	.0	.0
3-4	.7	4.3	4.4	1.0	.0	.0	12.3	.0	.2	.0	.0	.0
5-6	.0	1.0	10.0	.0	.0	.0	11.0	.0	.0	.2	.0	.0
7	.0	.7	1.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	13.5	14.4	1.0	.0	.0	31.6	1.5	2.7	.2	.0	.0

SE												
WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47
<1	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0
1-2	.0	1.2	.0	.0	.0	.0	1.2	.0	1.4	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	1.2	.5	.0	.0	.0	2.2	.0	2.8	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1979

NOVEMBER
TABLE 18 (CONT)

AREA 000? GULF OF CALIFORNIA
25.5N 110.2W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S								SW								TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.0	.7	.0	.0	.0	.0	.7		.0	.8	.0	.0	.0	.0	.8		
1-2	.0	.7	.0	.0	.0	.0	.7		.0	.2	.0	.0	.0	.0	.2		
3-4	1.4	.0	.0	.0	.0	.0	1.4		.0	.2	.8	.0	.0	.0	1.0		
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	1.4	.0	.0	.0	1.4		
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.7	.0	.0	.0	.7		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
TOT PCT	1.4	1.4	.0	.0	.0	.0	2.7		.0	1.2	2.9	.0	.0	.0	4.1		

HGT	M								NW								TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.7	.5	.0	.0	.0	.0	1.2		.0	4.2	.0	.0	.0	.0	4.2		
1-2	.0	2.2	.7	.0	.0	.0	2.9		.0	5.7	5.1	.0	.0	.0	10.8		
3-4	.0	2.4	1.9	.0	.0	.0	4.2		.0	4.6	5.7	.3	.0	.0	10.6		
5-6	.0	.7	1.4	.7	.0	.0	2.7		.0	1.0	3.5	.7	.0	.0	5.2		
7	.0	.0	.5	.0	.0	.0	.5		.0	.0	2.5	.7	.0	.0	3.2		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.7	.0	.0	.7		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
TOT PCT	.7	5.7	4.4	.7	.0	.0	11.5		.0	15.5	16.9	2.4	.0	.0	34.8		94.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.4	10.1	.0	.0	.0	.0	17.6	
1-2	.7	16.9	6.8	.0	.0	.0	24.3	
3-4	2.0	13.5	12.8	1.4	.0	.0	29.7	
5-6	.0	2.7	16.9	1.4	.0	.0	20.9	
7	.0	.7	4.7	.7	.0	.0	6.1	
8-9	.0	.0	.0	.7	.0	.0	.7	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.1	44.6	41.2	4.1	.0	.0	100.0	148

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	8.6	22.6	17.7	12.1	3.0	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	279	3
6-7	.5	3.0	4.0	5.3	2.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	68	4
8-9	.2	1.4	3.0	1.4	1.2	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	5
10-11	.0	.5	.2	.5	.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	6
12-13	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDEX	7.7	.2	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	1
TOTAL	73	119	108	83	31	10	3	0	2	1	0	0	0	0	0	0	0	0	0	430	3
PCT	17.0	27.7	25.1	19.3	7.2	2.3	.7	.0	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1962-1979
(OVER-ALL) 1861-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHR	ORZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PAST HR	SMOKE MAZE	SPRAY BLUG DUST BLUG SNOW	NO SIG WE
N	.0	.4	.9	.0	.0	.0	.0	1.3	.9	.9	1.3	.0	5.0	.0	92.6
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	98.2
E	.0	.0	12.1	.0	.0	.0	.0	12.1	.0	.0	.0	.0	20.2	.0	63.6
SE	11.2	.0	3.7	.0	.0	.0	.0	15.0	.0	3.7	8.4	.0	12.1	.0	60.7
S	4.5	.0	4.5	.0	.0	.0	.0	4.5	.0	.0	3.4	.0	3.4	.0	88.6
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.1	.0	.0	.0	.0	.7	.3	.1	1.1	.0	4.7	.0	91.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	97.5
TOT PCT	.7	.4	.9	.0	.0	.0	.0	1.8	.4	.5	2.4	.0	4.0	.0	96.4
TOT OBS:	550														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHR	ORZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST BLUG SNOW	NO SIG WFA
0000Z	.7	.0	2.0	.0	.0	.0	.0	2.6	.7	.0	2.6	.0	6.5	.0	87.6
0600Z	2.1	.0	2.1	.0	.0	.0	.0	3.1	.0	2.1	1.0	.0	1.0	.0	92.4
1201Z	.7	.7	.0	.0	.0	.0	.0	1.4	.0	.0	2.7	.0	1.4	.7	90.4
1802Z	.6	.6	.0	.0	.0	.0	.0	1.3	.6	.6	4.4	.0	4.6	.7	87.5
TOT PCT	.9	.4	.9	.0	.0	.0	.0	2.0	.4	.5	2.4	.0	3.9	.0	90.3
TOT OBS:	550														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-31	34-47	48+					00	03	06	09	12	15	21
N	2.7	13.3	13.8	2.7	.4	.0		33.0	12.3	42.6	26.5	34.7	.0	32.9	28.6	28.6	.0
NE	.2	1.4	.6	.0	.0	.0		2.2	9.9	2.4	5.4	2.1	.0	2.6	.0	1.7	.0
E	.3	1.0	.0	.0	.0	.0		1.2	5.6	3.2	.0	1.7	.0	.4	.0	.6	.0
SE	.9	2.9	.9	.0	.0	.0		6.2	7.5	4.2	.0	6.6	.0	4.5	.0	1.7	.0
S	.9	1.4	.8	.1	.0	.0		3.1	6.5	1.2	.0	6.8	.0	4.7	.0	1.0	.0
SW	.0	1.5	.6	.0	.0	.0		2.0	10.2	1.1	.0	2.8	.0	2.2	.0	2.2	.0
W	.0	2.5	.9	.1	.0	.0		4.0	8.1	3.7	5.4	3.5	.0	4.7	.0	4.7	.0
NW	1.9	12.0	22.4	6.4	.2	.0		42.9	14.3	34.6	61.8	35.6	.0	47.4	71.4	48.2	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.0							7.0	.0	6.7	.0	6.6	.0	9.6	.0	6.7	.0
TOT OBS	110	269	301	71	5	0	755		11.6	149	17	106	0	156	14	313	0
TOT PCT	14.6	35.5	39.9	9.4	.7	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				%	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	03	06	12	18
N	7.9	16.9	7.3	.9	.0		33.0	12.3	41.0	34.2	32.5	28.6
NE	.6	1.4	.1	.0	.0		2.2	9.9	2.9	2.1	2.4	1.7
E	.9	.4	.0	.0	.0		1.2	5.6	2.9	1.7	.4	.6
SE	2.3	1.0	.2	.0	.0		4.2	7.5	3.8	6.6	4.1	3.7
S	1.9	1.1	.5	.0	.0		3.1	6.5	1.1	6.8	2.9	1.0
SW	.4	1.4	.1	.0	.0		2.0	10.2	1.2	2.8	2.1	2.2
W	1.6	2.5	.3	.0	.0		4.0	8.1	3.9	3.8	3.8	5.3
NW	6.4	20.3	14.9	1.9	.0		42.9	14.3	17.3	35.6	42.9	48.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	7.0						7.0	.0	6.0	6.6	6.8	6.7
TOT OBS	216	343	178	18	0	755		11.6	146	106	170	313
TOT PCT	28.6	45.4	23.6	2.4	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1982-1979
(OVER-ALL) 1961-1979

AREA 0001 GULF OF CALIFORNIA
75.6N 110.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			NO.	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000Z	6.0	5.6	37.3	40.4	11.4	1.2	.0	12.6	100.0	166
0600Z	6.6	6.5	35.0	40.6	7.5	.9	.0	11.6	100.0	106
1200Z	6.8	5.9	39.3	39.4	10.0	.6	.0	11.6	100.0	170
1800Z	6.7	10.2	34.5	39.6	8.6	.3	.0	11.1	100.0	111
TOT	53	57	268	301	71	5	0	11.6		754
PCT	7.0	7.5	35.5	39.9	9.4	.7	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	16.0	4.5	10.5	5.0	3.5	
NE	1.0	.1	.0	.0	1.2	
E	.0	.2	.2	.2	3.2	
SE	1.0	.3	1.5	1.7	4.5	
S	1.3	.7	1.1	1.3	4.5	
SW	1.4	.6	.4	.0	2.3	
W	3.2	.7	.0	.6	2.0	
NW	21.9	4.1	6.7	2.5	2.5	
VAR	.0	.0	.0	.0	.0	
CALM	0.3	1.5	1.1	.9	2.5	
TOT OBS	244	57	104	50	455	3.0
TOT PCT	52.6	12.7	22.4	12.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/P)
AND OCCURRENCE OF NM (<5/P) BY WIND DIRECTION

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NM (<5/P)	TOTAL OBS
N	.4	.0	.2	1.5	.9	2.4	2.6	.6	.4	.4	26.6	
NE	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	2.7	
E	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	1.3	
SE	.1	.0	.0	.4	.6	.4	.4	.0	.0	.0	3.0	
S	.2	.0	.2	.4	.2	.4	.0	.0	.0	.0	2.8	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	2.2	
W	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	4.0	
NW	.5	.0	.2	.6	.6	7.3	.0	.5	.3	.6	20.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.4	.4	.2	.2	.2	6.5	
TOT OBS	5	0	3	15	11	28	11	7	5	9	100	455
TOT PCT	1.1	.0	.6	3.2	2.4	6.0	4.5	1.5	1.1	1.9	77.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/P) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
> OR = 4000	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
> OR = 3500	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
> OR = 3000	4.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9
> OR = 2000	13.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0
> OR = 1000	15.7	17.0	17.0	17.2	17.2	17.2	17.2	17.2
> OR = 600	16.1	20.0	20.0	20.3	20.3	20.3	20.3	20.3
> OR = 300	16.3	20.5	20.5	20.7	20.7	20.7	20.7	20.7
> OR = 150	16.3	20.5	20.5	20.7	20.7	20.7	20.7	20.7
> OR = 0	19.0	21.4	21.4	21.6	21.6	21.6	21.6	21.6
TOTAL	47	98	98	99	99	100	100	100

TOTAL NUMBER OF OBS: 450

PCT FREQ NM (<5/P): 76.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
40.5	14.3	10.6	7.7	5.5	5.4	4.0	4.1	6.8	482

PERIOD: (PRIMARY) 1962-1979
(OVER-ALL) 1961-1979

DECEMBER

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.2	.2
	TOT S	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.2	.2
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.5	.0	.0	.0	.0	.0	.0	1.2	.0	.0	1.6	1.6
	TOT S	.5	.0	.0	.0	.0	.0	.0	1.2	.0	.0	1.6	1.6
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	.2
	TOT S	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	.2
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	.2
	TOT S	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	.2
5<10	PCP	.1	.0	.2	.7	.0	.0	.0	.2	.0	.0	1.3	1.3
	NO PCP	2.7	.0	.4	1.0	.6	.2	.2	5.3	.0	.5	11.0	11.0
	TOT S	2.8	.0	.5	1.7	.6	.2	.2	5.5	.0	.5	12.3	12.3
10+	PCP	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.4	.4
	NO PCP	32.5	2.5	1.0	2.7	3.1	2.2	3.9	30.7	.0	6.6	85.2	85.2
	TOT S	32.6	2.5	1.0	2.7	3.3	2.2	3.9	30.7	.0	6.6	85.6	85.6
TOT OBS													566
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.2	.2
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.2	.2
1/2<1	0-3	.2	.0	.0	.0	.0	.0	.0	.4	.0	.0	.5	.5
	4-10	.2	.0	.0	.0	.0	.0	.0	.4	.0	.0	.5	.5
	11-21	.1	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5	.5
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.5	.0	.0	.0	.0	.0	.0	1.2	.0	.0	1.6	1.6
1<2	0-3	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	.2
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	.2
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	.2
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	.2
5<10	0-3	.5	.0	.0	.2	.2	.0	.0	.4	.0	.5	1.6	1.6
	4-10	1.0	.0	.5	1.0	.3	.2	.0	2.1	.0	.5	5.1	5.1
	11-21	1.2	.0	.0	.6	.1	.0	.2	1.9	.0	.0	6.0	6.0
	22+	.1	.0	.0	.0	.0	.0	.0	1.1	.0	.0	1.3	1.3
	TOT S	2.8	.0	.5	1.7	.6	.2	.2	5.5	.0	.5	12.2	12.2
10+	0-3	1.9	.3	.2	.6	.6	.0	.4	.9	.0	6.5	11.6	11.6
	4-10	13.5	1.0	.8	1.6	1.3	1.5	2.4	6.6	.0	.0	29.5	29.5
	11-21	13.5	.6	.0	.5	.9	.7	.9	18.0	.0	.0	35.1	35.1
	22+	3.7	.0	.0	.0	.2	.0	.2	9.4	.0	.0	9.5	9.5
	TOT S	32.6	2.6	1.0	2.7	3.2	2.2	3.9	30.9	.0	6.5	85.6	85.6
TOT OBS													550
TOT PCT													100.0

DECEMBER

PERIOD: (PRIMARY) 1902-1979
(OVER-ALL) 1861-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	1.5	.0	.0	1.5	2.3	5.3	7.6	1.5	.0	3.0	22.7	77.3	132
06009	1.2	.0	1.2	2.4	3.6	6.0	2.4	.0	.0	.0	16.9	83.1	83
12015	1.6	.0	.8	4.1	.8	4.1	3.3	2.4	.0	2.4	19.5	80.5	123
18021	.0	.0	.7	4.4	3.0	8.1	3.7	1.5	3.7	1.5	26.7	73.3	135
TOT	5	0	3	15	11	28	21	7	5	9	104	369	473
PCT	1.1	.0	.6	3.2	2.3	5.9	4.4	1.5	1.1	1.9	22.0	78.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.7	2.0	.0	.0	12.5	84.9	132
06009	.0	.0	1.0	1.0	13.4	84.5	97
12015	.7	1.3	.0	.0	12.7	85.3	150
18021	.0	3.8	.0	.0	12.6	83.6	159
TOT	2	11	1	1	71	472	558
PCT	.4	2.0	.2	.2	12.7	84.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<400 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	1.6	1.6	3.1	19.5	77.3	124
06009	1.3	2.5	7.5	10.0	82.5	80
12015	1.7	2.5	5.9	13.4	80.7	119
18021	.0	.0	4.5	22.0	73.5	132
TOT	5	7	23	78	358	459
PCT	1.1	1.5	5.0	17.0	78.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
60/84	.0	.0	.0	.0	.6	.0	.2	.0	4	.8
75/79	.0	.0	.0	.6	1.9	3.4	1.3	.2	35	7.4
70/74	.0	.0	.4	1.7	5.7	12.3	7.4	3.2	145	30.8
65/69	.0	.2	.2	2.1	5.1	15.9	11.7	4.7	188	39.9
60/64	.0	.0	.0	1.3	2.3	6.8	7.6	1.5	91	19.3
55/59	.0	.0	.0	.4	.2	.6	.2	.2	8	1.7
TOTAL	0	1	3	29	75	184	133	46	471	100.0
PCT	.0	.2	.6	6.2	15.9	39.1	28.2	9.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
60/84	.6	.1	.0	.0	.0	.0	.0	.2	.0	.0
75/79	3.6	.3	.2	.0	.4	.7	.4	1.2	.0	.6
70/74	12.2	.8	.4	2.9	1.0	.7	.5	10.1	.0	2.3
65/69	18.3	.7	.6	1.2	2.5	1.0	1.8	13.3	.0	3.4
60/64	5.3	.5	.6	1.2	.6	.0	1.1	9.0	.0	1.1
55/59	.7	.0	.0	.0	.0	.0	.7	.0	.0	.2
TOTAL	37.8	2.4	1.8	5.3	4.5	2.4	3.7	34.6	.0	7.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	84	82	78	70	62	59	57	69.7	171
06009	78	75	74	68	61	55	55	67.7	106
12015	77	75	73	67	60	56	55	67.1	177
18021	86	82	78	70	63	60	58	70.1	302
TOT	84	81	77	69	61	58	55	69.0	756

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	11.5	19.1	36.6	26.0	6.9	74	131		
06009	.0	5.7	13.8	37.9	26.4	16.1	77	87		
12015	.0	1.6	10.9	43.8	34.4	9.6	77	128		
18021	.0	8.7	19.7	37.8	25.2	8.7	75	127		
TOT	0	33	76	185	133	46	74	473		

DECEMBER

PERIOD: (PRIMARY) 1902-1979
(OVER-ALL) 1863-1979

AREA 0003 GULF OF CALIFORNIA
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53	57	61	65	69	73	77	81	TOT	N	NO
	56	60	64	68	72	76	80	84	FOG	FOG	FOG
9/10	.0	.0	.0	.0	.4	.4	.0	.0	4	.4	.0
7/8	.0	.0	.0	.0	.2	.2	.4	.0	4	.2	.0
6	.0	.0	.0	.2	.6	.0	.2	.0	5	.2	.0
5	.0	.0	.0	.0	.0	1.4	.0	.0	14	.7	5.0
4	.0	.0	.0	.6	.0	.2	.0	.0	12	.0	2.4
3	.0	.0	.0	1.2	1.0	1.0	.6	.0	23	.0	4.5
2	.0	.0	.0	.4	1.4	.0	.0	.0	13	.0	2.4
1	.0	.0	.2	1.4	1.0	.0	.4	.2	20	.2	3.7
0	.0	.0	.0	2.2	1.0	1.4	.2	.0	32	.4	5.5
-1	.0	.0	2.4	3.3	2.4	2.2	.2	.0	54	.2	10.4
-2	.0	.4	2.6	3.0	2.0	1.0	.4	.0	51	.2	9.0
-3	.0	.0	2.7	4.7	3.4	1.0	.0	.0	62	.4	11.4
-4	.0	.0	1.2	2.4	4.7	.6	.0	.0	46	.0	8.1
-5	.0	.0	1.2	3.5	3.1	.4	.0	.0	42	.0	6.3
-6	.0	.0	1.0	3.7	2.6	.2	.0	.0	30	.0	7.5
-7/-8	.2	.6	2.2	3.7	2.6	.6	.0	.0	50	.0	9.0
-9/-10	.0	.2	1.0	2.2	.0	.0	.0	.0	21	.0	4.1
-11/-13	.0	.6	.0	.6	.2	.0	.0	.0	11	.0	2.2
-14/-16	.0	.4	.4	.0	.0	.0	.0	.0	4	.0	.0
TOTAL	1	15	81	167	157	65	14	5	508	17	496
PCT	.2	3.0	15.9	12.9	30.4	12.8	3.7	.6	100.0	2.4	97.6

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
41	1.4	2.1	.0	.0	.0	.0	1.5	.2	.0	.0	.0	.0	.0	.2
1-2	.0	7.2	2.7	.0	.0	.0	10.0	.0	1.0	.0	.0	.0	.0	1.0
3-4	.0	3.3	9.4	.0	.0	.0	10.0	.0	.4	.0	.0	.0	.0	1.2
5-6	.0	.0	3.5	1.2	.0	.0	4.7	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	3.9	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	12.7	14.0	2.0	.0	.0	32.0	.2	2.1	.0	.0	.0	.0	3.1

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.6	.0	.0	.0	.0	1.6	.0	1.0	.0	.0	.0	.0	1.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.1	.0	.0	.0	.0	2.1	.0	2.7	.0	.0	.0	.0	1.5

PERIOD: (OVER-ALL) 1963-1979

DECEMBER

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.2	.0	.0	.0	.0	1.2	.0	2.5	.0	.0	.0	.0	2.5	.0
3-4	.0	1.6	1.6	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	1.6	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.7	1.6	.0	.0	.0	5.1	.0	3.3	1.6	.0	.0	.0	4.9	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	2.5	.0
1-2	.0	1.6	1.6	.0	.0	.0	2.7	.0	2.9	6.1	.0	.0	.0	9.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	2.5	8.2	.0	.0	.0	11.5	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	3.5	.0	.0	7.8	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	3.1	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.6	1.6	.0	.0	.0	2.7	.0	8.0	19.3	6.6	.0	.0	34.6	66.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	13.3	5.5	.0	.0	.0	.0	.0	18.8
1-2	.0	19.5	10.2	.0	.0	.0	29.7	
3-4	.0	10.2	18.0	2.3	.0	.0	30.5	
5-6	.0	.0	8.6	4.7	.0	.0	13.3	
7	.0	.0	4.7	1.6	.0	.0	7.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	13.3	35.2	41.4	9.4	.0	.0	100.0	120

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.0	22.4	22.8	7.8	6.5	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	101	1
6-7	.0	1.1	2.2	3.0	1.6	1.6	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99	4
8-9	.0	.2	.4	1.8	1.6	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	4
10-11	.0	.7	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	0
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
14	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
UNDET	12.8	.7	.9	.2	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	67	1
TOTAL	83	112	110	63	43	73	4	1	0	0	0	0	0	0	0	0	0	0	0	467	3
PCT	10.6	25.1	26.4	14.1	9.6	5.1	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1902-1970
(OVER-ALL) 1861-1970

ANNUAL

AREA 0003 GULF OF CALIFORNIA
75.5N 110.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHWR HAZE	BLDG DUST ALRG SNOW	SPRAY	NO SIG WFA
N	.5	.1	.2	.0	.0	.0	.0	.0	.2	.0	.0	.0	.5	.1	.2	92.4
NE	1.3	.7	.0	.0	.0	.0	.0	2.0	.0	1.0	1.5	.0	.0	.0	.0	89.0
E	1.0	.3	1.0	.0	.0	.0	.0	3.2	2.4	2.6	1.0	.0	.0	.0	.0	91.5
SE	1.5	.3	1.0	.0	.0	.0	.0	2.0	1.1	2.1	3.5	.0	.0	.0	.0	90.4
S	1.0	.1	.0	.0	.0	.0	.0	1.3	.1	3.3	.0	.0	.0	.0	.0	89.8
SW	.2	.2	.0	.0	.0	.0	.0	.0	.2	2.0	.1	.0	1.2	.0	.0	95.1
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	1.0	.0	2.2	.0	.0	93.4
NW	.0	.1	.1	.0	.0	.0	.0	.2	.1	.0	.7	.0	.0	.0	.0	90.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.3	.0	.0	.0	.0	.3	.0	1.0	.7	.5	6.1	.1	.1	90.7
TOT PCT	.3	.2	.3	.0	.0	.0	.0	.7	.7	1.0	.7	.0	.5	.1	.1	91.8
TOT OBS:	6586															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHRNE HAZE	SPRAY BLDG DUST	NO SIG	
0000	.2	.2	.3	.0	.0	.0	.0	.7	.1	.0	.5	.0	.7	.7	91.5	
0600	.5	.0	.7	.0	.0	.0	.0	1.0	.1	4.1	.3	.0	.3	.1	91.1	
1200	.0	.3	.2	.0	.0	.0	.0	1.0	.5	2.0	.0	.0	1.0	.0	92.0	
1800	.1	.2	.2	.0	.0	.0	.0	.5	.0	.2	1.0	.2	.7	.7	91.5	
TOT PCT	.3	.2	.3	.0	.0	.0	.0	.8	.3	1.0	.8	.0	.5	.1	91.7	
TOT OBS:	6695															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)									
	0-3	4-10	11-21	22-33	34-47	48+					00	01	06	09	12	15	18	21		
N	1.7	6.3	5.0	1.2	.2	.0		10.9	9.7	10.0	11.0	10.2	5.1	10.7	13.2	12.0	11.1			
NE	.0	1.0	.0	.0	.0	.0		2.7	7.0	3.3	5.0	1.7	1.0	1.0	1.0	2.0	1.1			
E	1.1	2.7	.0	.0	.0	.0		4.3	6.2	5.7	2.0	2.7	4.3	1.0	1.0	4.0	.0			
SE	2.2	0.0	5.0	.3	.0	.0		13.7	7.9	10.9	13.2	10.0	12.0	9.0	22.5	10.1	9.7			
S	1.0	5.7	1.0	.7	.0	.0		9.0	7.2	9.2	10.3	11.1	.0	0.0	.0	9.0	4.7			
SW	1.2	3.0	1.0	.0	.0	.0		5.0	7.7	3.7	7.2	6.1	.0	7.1	1.0	6.2	1.0			
W	1.0	5.1	1.3	.1	.0	.0		8.4	7.0	6.0	1.7	8.0	6.3	11.0	9.3	7.0	7.0			
NW	5.2	13.0	11.0	2.0	.2	.0		31.1	10.3	27.0	20.0	20.7	32.1	31.7	33.6	27.0	27.0			
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CALM	0.0							0.0	.0	0.1	6.5	11.0	5.0	10.0	10.7	9.5	6.0			
TOT OBS								8290	0.0		1730	56	1050	21	1701	87	3210	22		
TOT PCT	23.0	40.0	25.0	4.2	.4	.0		100.0			100.0	83.3	100.0	64.7	100.0	100.0	100.0	64.7		

TABLE 4

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	0.0	7.1	2.7	.5	.0	10.0	9.7	10.2	10.2	10.7	12.0		
NE	1.5	1.0	.1	.0	.0	2.7	7.0	3.0	1.7	1.0	2.0		
E	2.7	1.0	.1	.0	.0	4.3	6.2	5.0	2.0	1.0	4.0		
SE	0.2	6.5	.9	.1	.0	13.7	7.9	10.7	10.0	9.7	10.1		
S	0.0	4.2	.0	.0	.0	9.0	7.2	9.3	10.0	8.3	9.0		
SW	3.0	2.0	.2	.0	.0	5.0	7.7	3.0	6.0	6.9	6.2		
W	0.0	3.1	.0	.0	.0	8.4	7.0	6.0	8.0	11.0	7.0		
NW	0.0	15.7	5.7	.0	.0	31.1	10.3	27.0	20.5	31.0	33.6		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	0.0					0.0	.0	0.0	11.0	10.7	9.5		
TOT OBS						8290	0.0		1700	1070	1700	3210	
TOT PCT	40.1	41.0	10.5	1.5	.0	100.0		100.0	100.0	100.0	100.0		

PERIOD: (PRIMARY) 1902-1979
(OVER-ALL) 1861-1979

ANNUAL

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			NO.	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	0.0	11.0	40.3	20.3	5.2	.5	.0	0.3	100.0	1795
04009	11.0	12.0	45.7	25.0	3.7	.5	.0	0.6	100.0	1479
17615	10.7	12.4	47.6	24.7	4.1	.4	.0	0.6	100.0	1700
10621	0.5	16.4	46.5	24.1	4.0	.4	.0	0.6	100.0	3236
TOT								0.6		8290
PCT	0.6	13.0	46.6	25.4	4.2	.4	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

BY WIND DIRECTION						MEAN
WIND DIR	0-7	3-4	5-7	8-1	TOTAL	CLOUD COVER
				OBSERV	OBS	
N	0.0	2.1	3.0	1.2		2.4
NE	1.3	.4	.4	.3		3.2
E	2.0	.7	1.1	.4		3.2
SE	0.0	7.4	5.0	1.2		3.1
S	4.1	1.6	2.0	.7		3.0
SW	3.4	.0	1.1	.4		2.6
W	5.1	1.3	1.6	.6		2.6
NW	10.2	4.0	5.3	2.1		2.4
VAR	.0	.0	.0	.0		.0
CALM	7.2	1.5	1.1	.4		3.0
TOT OBS					5015	2.5
TOT PCT	50.9	14.8	14.1	7.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >400) AND OCCURRENCE OF NM <500 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	%	C/S/H	TOTAL
100	200	500	999	1999	3999	6999	9999	19999	39999	7999	MG	085
.1	0	0	.5	.5	.6	.5	.1	.1	.2	83.5		
0	.0	0	.1	.1	.1	.1	0	.0	.1	2.1		
0	0	.1	.1	.2	.2	.1	0	.0	.1	3.2		
0	0	.1	.6	.6	0	.0	.1	.1	.1	10.0		
0	.0	.1	.3	.6	.7	.1	.1	.1	.1	6.0		
0	.0	0	.1	.2	.2	.1	0	.1	0	4.9		
.1	0	0	.1	.3	.3	.1	.1	0	0	7.6		
.1	0	.1	.5	.9	1.0	.0	.2	.2	.3	24.6		
.0	0	.0	.0	.0	.0	.0	.0	.0	.0	0		
0	0	.1	.2	.2	.2	.1	.2	.1	.1	4.3		
0	.1	0	2.3	3.6	3.7	2.6	3.0	.6	1.0	84.0		5015
												100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >400) AND WSDY (INP)

CEILING (FEET)	WSDY (INP)							
	>10	>15	>20	>25	>30	>35	>40	>45
>0000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
>0000	2.3	2.4	2.5	2.5	2.5	2.5	2.5	2.5
>0000	4.4	4.7	4.8	4.8	4.8	4.8	4.8	4.8
>0000	7.4	8.1	8.1	8.1	8.1	8.1	8.1	8.1
>0000	10.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5
>0000	12.2	13.6	13.7	13.7	13.7	13.7	13.7	13.7
>0000	12.5	14.1	14.2	14.3	14.3	14.3	14.3	14.3
>0000	12.6	14.2	14.4	14.4	14.4	14.4	14.4	14.4
>0000	12.7	14.4	14.6	14.7	14.7	14.8	14.8	14.9

TOTAL NUMBER OF OBS: 5015

PCT FREQ NM <500: 85.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

D	1	2	3	4	5	6	7	8	9	TOTAL
45.5	14.7	11.1	8.4	4.7	4.2	3.7	3.4	3.0	.1	6079

PERIOD: (PRIMARY) 1962-1979
(OVER-ALL) 1961-1979

ANNUAL

AREA DDD3 GULF OF CALIFORNIA
75.54 110.74

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSOT (MM)		N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	PCP	.0	0	0	.0	.0	.0	.0	.0	.0	.0	0	
	NO PCP	0	0	.1	0	0	.0	0	0	.0	.0	.2	
	TOT S	0	0	.1	0	0	.0	0	0	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	0	0	.0	0	.0	.0	.0	.1	.0	.0	.7	
	TOT S	0	0	.0	0	.0	.0	.0	.1	.0	.0	.7	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	0	.0	0	.0	.0	.0	0	.1	
	TOT S	.0	.0	.0	0	.0	0	.0	.0	.0	0	.1	
2<5	PCP	0	.0	0	0	0	.0	.0	.0	.0	.0	.1	
	NO PCP	.1	0	0	0	.1	0	.1	.1	.0	.1	.6	
	TOT S	.1	0	.1	0	.1	0	.1	.1	.0	.1	.7	
5<10	PCP	0	.0	0	.1	0	0	.0	0	.0	0	.1	
	NO PCP	1.0	.3	.3	.0	.7	.4	.4	2.1	.0	.7	7.0	
	TOT S	1.1	.3	.4	.1	.7	.4	.4	2.2	.0	.7	7.3	
10+	PCP	0	.1	.0	.1	.1	0	.0	.1	.0	0	.4	
	NO PCP	10.6	2.3	3.7	12.0	8.7	5.3	7.8	27.5	.0	9.3	91.2	
	TOT S	10.7	2.4	3.7	12.1	8.8	5.3	7.8	27.5	.0	9.3	91.6	
TOT OBS													
TOT PCT													
		15.9	2.7	4.2	13.2	9.6	5.8	8.6	29.9	.0	10.1	100.0	6536

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSOT (MM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	0-3	0	0	.1	.0	.0	.0	0	.0	.0	0	.1	
	4-10	.0	0	0	0	0	.0	.0	0	.0	0	.1	
	11-21	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT S	0	0	.1	0	0	.0	0	0	.0	0	.2	
1/2<1	0-3	0	0	.0	0	.0	.0	0	.0	.0	.0	.1	
	4-10	0	.0	.0	.0	.0	.0	.0	0	.0	0	0	
	11-21	0	.0	.0	0	.0	.0	.0	0	.0	0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT S	0	0	.0	0	.0	.0	.0	.1	.0	.0	.2	
1<2	0-3	.0	.0	.0	0	.0	.0	.0	.0	.0	0	0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	0	.0	0	.0	.0	.0	.0	.0	
	TOT S	.0	.0	.0	0	.0	0	.0	.0	.0	.0	.0	
2<5	0-3	0	.0	.0	0	.0	0	0	.0	.0	.1	.2	
	4-10	0	.0	0	0	.1	0	.1	.1	.0	0	.4	
	11-21	0	0	0	0	.0	0	.1	.0	0	.1	.1	
	22+	0	.0	0	0	0	.0	.0	0	.0	.1	.1	
	TOT S	.1	0	.1	.1	.1	0	.1	.2	.0	.1	.6	
5<10	0-3	.1	0	.1	.1	.2	.1	.1	.2	.0	.7	1.7	
	4-10	.5	.1	.2	.5	.4	.3	.3	.9	.0	0	3.3	
	11-21	.3	.1	0	.3	.2	.1	.1	.0	.0	0	1.9	
	22+	.1	0	0	.1	0	0	0	.2	.0	0	.5	
	TOT S	1.1	.3	.4	.9	.8	.4	.4	2.1	.0	.7	7.3	
10+	0-3	1.5	.4	.6	1.8	1.4	.8	1.6	2.7	.0	9.3	20.6	
	4-10	6.2	1.5	2.4	7.0	5.3	3.6	6.9	11.6	.0	0	62.6	
	11-21	5.6	.6	.9	3.0	1.9	1.0	1.3	10.9	.0	0	26.6	
	22+	1.4	0	.0	.3	.1	0	.1	2.2	.0	0	4.1	
	TOT S	10.7	2.4	3.7	12.1	8.7	5.3	7.9	27.5	.0	9.3	91.6	
TOT OBS													
TOT PCT													
		15.9	2.7	4.2	13.2	9.6	5.8	8.6	29.9	.0	10.1	100.0	6607

ANNUAL

PERIOD: (PRIMARY) 1967-1970
(OVER-ALL) 1861-1970

AREA 0003 GULF OF CALIFORNIA
75.5N 110.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	200 100	150 200	300 500	600 900	1000 1000	2000 1000	3500 4000	5000 6000	6500 7000	8000+	TOTAL	NM <5/8 ANY MET	TOTAL OBS
0000Z	.2	.1	.4	2.4	3.1	1.5	2.4	.9	.6	.8	14.6	85.4	1600
0600Z	.2	.1	.5	1.7	2.9	2.9	1.9	.7	.3	.7	11.0	88.7	1295
12015	.9	.1	.6	2.9	1.9	2.8	2.1	.8	.4	.9	15.6	84.4	1525
18021	.4	.2	.7	1.8	1.5	3.1	2.7	1.3	.7	1.3	16.1	83.9	1597
TOT													6025
PCT	.4	.1	.6	2.3	1.3	3.3	2.3	.9	.6	.9	14.7	85.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NMI) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000Z	.3	.2	.0	.4	6.2	92.9	1766
0600Z	0	.1	.1	.8	7.2	91.7	1454
12015	.3	.1	.1	1.2	9.4	88.8	1756
18021	.4	.4	.0	.9	6.6	91.9	1736
TOT							6712
PCT	.3	.2	.1	.8	7.4	91.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NMI) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000Z	.4	.9	3.6	11.6	84.7	1564
0600Z	.2	.7	3.2	9.1	87.7	1257
12015	.9	1.6	4.8	11.3	83.9	1480
18021	.5	1.3	3.9	12.9	83.2	1554
TOT						5855
PCT	.5	1.2	3.9	11.4	84.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	0	.0	.1	.3	0	0	.0	.5	
90/94	.0	.0	.4	1.7	1.4	.3	.1		3.9	
85/89	.0	0	.1	.6	2.3	5.4	3.3	.7	12.6	
80/84	.0	.1	.2	1.1	3.4	6.6	7.1	2.3	20.8	
75/79	.0	0	.3	1.2	3.0	5.3	3.4	1.5	14.8	
70/74	.0	0	.1	1.2	4.4	5.3	4.0	2.4	18.4	
65/69	.0	0	.2	.4	3.0	5.1	5.7	3.1	18.1	
60/64	.0	.0	0	.4	1.6	3.1	3.7	1.4	10.0	
55/59	.0	.0	0	.1	.2	.3	.3	.1	1.0	
TOT									5887	100.0
PCT	.0	.2	1.2	6.2	20.0	32.5	28.2	11.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.1	0	0	.1	0	0	.1	.1	.0	.1
90/94	.2	.2	.4	1.0	.7	.1	.2	.4	.0	.6
85/89	.9	.3	.8	3.4	2.1	1.1	1.1	1.4	.0	1.5
80/84	1.6	.5	1.3	6.6	3.4	1.6	1.8	3.6	.0	2.7
75/79	2.6	.5	.6	2.8	1.1	1.0	1.4	3.9	.0	1.7
70/74	3.7	.5	.7	1.3	1.2	1.0	1.7	6.6	.0	1.8
65/69	4.5	.3	.3	.7	.8	.6	1.5	7.8	.0	1.5
60/64	2.5	.3	.1	.2	.2	.3	.6	5.0	.0	.7
55/59	.4	0	0	0	.0	0	.1	.5	.0	.1
TOT	16.5	2.6	4.3	13.4	9.6	5.7	8.4	29.2	.0	10.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	P40	90%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	98	88	86	74	69	65	67	77.0	1809
0600Z	92	81	79	74	67	61	55	76.0	1503
12015	92	80	78	73	67	62	55	72.6	1817
18021	98	88	85	77	70	65	56	77.1	2165
TOT	98	88	84	76	68	64	55	75.6	6292

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	11.1	26.1	34.1	20.7	8.0	73	1519		
0600Z	.0	3.4	14.1	31.4	35.2	15.9	70	1375		
12015	.0	4.8	13.5	29.4	37.0	15.7	70	1537		
18021	.0	11.6	25.7	34.4	20.1	8.2	73	1562		
TOT	0	471	1283	1929	1670	700	74	5973		

PERIOD: (PRIMARY) 1962-1979
(OVER-ALL) 1961-1979

ANNUAL

AREA DODS GULF OF CALIFORNIA
25.5N 110.2W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53	57	61	65	69	73	77	81	85	89	>92	TOT	N FOG	NO FOG
23/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	.0	.1
17/19	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	10	.0	.2
14/16	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	31	.0	.5
11/13	.0	.0	.0	.0	.1	.2	.3	.2	.1	.2	.2	74	.0	1.2
8/10	.0	.0	.0	.0	.2	.4	.3	.3	.4	.3	.3	130	.0	2.2
7/8	.0	.0	.0	.1	.3	.5	.5	.6	.5	.5	.4	214	.0	3.4
6	.0	.0	.0	.1	.3	.4	.3	.4	.3	.4	.2	154	.0	2.5
5	.0	.0	.0	.3	.5	.6	.4	.6	.5	.5	.1	219	.1	3.5
4	.0	.0	.1	.4	.9	.5	.6	.6	.7	.6	.1	276	.0	4.4
3	.0	.0	.1	.7	.7	.8	.6	.6	.9	.4	.1	352	.0	5.7
2	.0	.0	.2	.7	1.0	.9	.9	.9	1.1	.4	.0	379	.1	6.0
1	.0	.0	.4	1.1	1.0	.9	.9	1.2	1.4	.3	.0	451	.0	7.2
0	.0	.0	.8	1.6	1.3	1.0	1.3	1.8	1.7	.1	.0	596	.1	9.4
-1	.0	.0	.9	1.3	1.4	.8	1.0	1.6	1.2	.0	.0	515	.0	8.2
-2	.0	.2	1.0	1.6	1.1	1.0	1.0	2.0	1.2	.1	.0	570	.1	9.2
-3	.0	.2	.9	1.4	1.3	.9	1.2	1.9	.8	.0	.0	500	.1	8.6
-4	.0	.2	1.1	1.4	1.4	.8	1.0	2.1	.3	.0	.0	523	.0	8.3
-5	.0	.3	1.0	1.4	1.0	1.1	1.1	1.2	.1	.0	.0	465	.0	7.1
-6	.0	.2	.7	1.0	.7	.7	.6	.4	.1	.0	.0	289	.1	4.4
-7/-8	.0	.2	.9	1.0	.9	.8	.7	.6	.0	.0	.0	313	.0	5.0
-9/-10	.0	.1	.3	.5	.4	.3	.2	.0	.0	.0	.0	117	.0	1.8
-11/-13	.0	.1	.3	.2	.1	.1	.0	.0	.0	.0	.0	47	.0	.7
-14/-16	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	17	.0	.3
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL												6241		
PCT	.1	1.8	9.0	15.0	14.9	12.7	13.1	16.9	11.4	3.8	1.3	100.0	.7	99.1

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.4	1.7	.2	.0	.0	.0	2.3	.3	.0	.0	.0	.0	.0	1.1
1-2	.4	2.5	.9	.0	.0	.0	3.8	.1	.9	.2	.0	.0	.0	1.1
3-4	.2	2.2	2.8	.3	.0	.0	5.5	.0	.1	.2	.1	.0	.0	.4
5-6	.0	.1	3.1	.5	.2	.0	3.8	.0	.0	.1	.0	.0	.0	.1
7	.0	.1	1.1	.5	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.1	.0	.3	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	6.7	8.2	1.6	.2	.0	17.7	.4	1.8	.5	.1	.0	.0	2.7

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	1.0	.0	.0	.0	.0	.0	1.0	.2	2.0	.1	.0	.0	.0	2.2
1-2	.4	1.7	.1	.0	.0	.0	2.1	.7	5.2	.9	.0	.0	.0	6.7
3-4	.0	.4	.2	.0	.0	.0	.7	.2	1.5	1.4	.0	.0	.0	3.2
5-6	.0	.1	.0	.0	.0	.0	.1	.0	.2	.4	.2	.0	.0	.8
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	3.1	.3	.0	.0	.0	4.8	1.1	8.9	2.9	.4	.0	.0	17.3

PERIOD: (OVER-ALL) 1963-1979

ANNUAL

AREA 0003 GULF OF CALIFORNIA
25.54 110.24

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	1.1	.1	.0	.0	.0	1.6	.0	2.0	.1	.0	.0	.0	2.0
1-2	.1	1.4	.0	.0	.0	.0	4.3	.0	2.0	.3	.0	.0	.0	2.4
3-4	.4	1.1	1.2	.1	.0	.0	2.8	.0	.5	.4	.0	.0	.0	.9
5-6	.0	.1	.4	.0	.0	.0	.4	.0	.0	.3	.0	.0	.0	.3
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	5.6	2.8	.1	.0	.0	9.4	.0	4.5	1.2	.0	.0	.0	5.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.9	1.1	.0	.0	.0	.0	2.0	1.4	2.2	.1	.0	.0	.0	3.7	
1-2	.1	2.5	.7	.0	.0	.0	3.4	.5	4.8	2.9	.0	.0	.0	8.1	
3-4	.0	1.2	.6	.0	.0	.0	1.8	.0	2.6	4.3	.4	.0	.0	7.3	
5-6	.0	.3	.2	.1	.0	.0	.6	.0	.3	2.3	.7	.2	.0	3.4	
7	.0	.0	.2	.0	.0	.0	.2	.0	.1	1.4	.6	.1	.0	2.3	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.0	.0	.7	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.3	9.1	1.7	.1	.0	.0	8.2	1.9	10.0	11.4	2.2	.2	.0	25.7	87.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	17.7	11.7	.6	.0	.0	.0	30.0	005
1-2	2.6	22.5	6.7	.0	.0	.0	31.8	
3-4	.0	9.8	11.1	.0	.0	.0	22.9	
5-6	.0	1.0	8.9	1.4	.3	.0	9.7	
7	.0	.2	3.0	1.2	.1	.0	4.4	
8-9	.0	.1	.3	.7	.0	.0	1.1	
10-11	.0	.0	.1	.2	.0	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	1324
TOT PCT	21.1	45.4	28.8	4.3	.4	.0	100.0	

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SECS)	<1	1-2	3-4	5-6	7	8-9	10-11	12	14-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	9.9	27.6	18.0	6.7	2.0	.9	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3574
6-7	.2	2.4	3.0	2.0	1.2	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	586
8-9	.1	.0	.9	.6	.6	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	195
10-11	.0	.6	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	71
12-13	.0	.0	.4	.2	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	66
14-15	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19
UNDET	13.8	1.5	.6	.4	.2	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	901
TOTAL																					5304
PCT	24.0	33.0	23.3	11.1	5.3	1.0	.0	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

PERIOD: (PRIMARY) 1902-1979
(OVER-ALL) 1861-1979

TABLE 20

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH														
SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	P T
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	1	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	4	.1
91/92	.0	.0	.0	.0	.0	.0	.0	1.5	.5	.1	.0	.0	13	.2
89/90	.0	.0	.0	.0	.2	.0	1.3	10.2	9.7	.9	.0	.0	132	1.7
87/88	.0	.0	.0	.0	.3	.7	8.5	29.0	32.4	9.1	.0	.0	445	6.3
85/86	.0	.0	.0	.0	.2	6.1	25.3	35.0	32.7	24.2	1.8	.0	745	10.1
83/84	.0	.0	.1	.2	1.7	9.1	25.8	33.7	33.1	27.9	5.4	.0	632	8.1
81/82	.2	.0	.0	.2	4.0	20.1	18.3	4.2	3.5	19.4	15.5	.4	560	7.2
79/80	.3	.3	.8	.6	9.8	23.7	9.6	1.7	1.8	7.5	20.4	2.3	504	6.5
77/78	1.0	1.0	.4	1.7	18.9	19.1	3.4	1.5	1.6	5.0	18.6	5.7	496	6.4
75/76	3.8	1.6	2.7	12.4	24.2	10.3	1.0	1.3	1.1	2.2	15.4	12.0	549	7.3
73/74	5.4	5.1	7.0	16.6	17.9	5.0	1.3	.3	1.1	1.3	10.7	14.1	549	7.3
71/72	11.9	6.7	9.8	25.3	9.7	.9	1.1	.7	.4	1.4	5.4	16.9	603	7.8
69/70	15.8	20.3	18.5	17.3	5.7	.9	2.1	.5	.7	.5	3.4	15.7	667	8.6
67/68	19.4	22.4	23.0	10.7	2.0	1.6	.3	.2	.7	.3	2.3	12.6	633	8.2
65/66	19.3	21.0	18.5	7.1	1.8	1.2	1.1	.0	.0	.1	.7	8.0	519	6.7
63/64	13.9	14.1	10.6	3.9	2.5	1.6	.3	.0	.0	.0	.0	6.7	349	5.5
61/62	6.1	6.2	5.5	1.7	1.2	.9	.2	.0	.0	.0	.1	1.4	151	1.9
59/60	1.8	2.1	1.6	1.4	.5	.7	.2	.0	.0	.0	.0	.1	55	.7
57/58	1.1	.5	.8	.5	.2	.0	.0	.0	.0	.0	.0	.0	20	.3
55/56	.2	.2	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	4	.1
53/54	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
51/52	.0	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	.1
49/50	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	628	580	766	643	599	541	612	597	565	777	710	700	7758	100.0
MEAN	67.5	67.1	67.7	70.6	74.8	78.7	82.5	85.6	85.6	82.9	77.3	70.9	75.9	

TABLE 21

PRESSURE (INB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1016	1015	1016	1015	1015	1016	1019	1015	1016	623
FEB	1015	1016	1016	1014	1015	1016	1016	1015	1016	559
MAR	1014	1016	1015		1014	1019	1015	1013	1014	844
APR	1012	1017	1013	1010	1012	1014	1014	1011	1013	673
MAY	1011	1011	1011		1011	1012	1012	1013	1012	620
JUN	1009		1011	1006	1010	1008	1011	1009	1010	605
JUL	1010	1008	1011	1010	1011	1010	1012	1011	1011	614
AUG	1010	1020	1012	1009	1011	1010	1012	1012	1011	595
SEP	1009	1006	1010	1009	1010	1008	1011	1006	1010	576
OCT	1011	1014	1012	1013	1012	1013	1013	1013	1012	758
NOV	1013		1014		1014	1014	1015		1014	687
DEC	1015	1013	1015		1015	1016	1016	1015	1015	624
ANN	1012	1014	1013	1011	1013	1013	1014	1012	1013	7747
OBS	1719	24	1043	22	1674	58	2775	25		

PERCENTILES

MO	MIN	10	50	25%	50%	75%	95%	99%	MAX
JAN	1008	1010	1012	1015	1016	1018	1021	1024	1027
FEB	1001	1008	1011	1014	1016	1017	1020	1024	1027
MAR	1004	1009	1010	1013	1014	1016	1019	1023	1025
APR	1000	1005	1008	1011	1013	1014	1017	1020	1023
MAY	1004	1006	1008	1010	1012	1013	1016	1019	1022
JUN	1001	1002	1005	1008	1010	1012	1014	1017	1019
JUL	1001	1004	1007	1010	1011	1012	1015	1016	1020
AUG	1000	1004	1007	1010	1011	1013	1015	1016	1020
SEP	1001	1002	1005	1008	1010	1012	1014	1015	1016
OCT	1003	1004	1008	1011	1012	1014	1016	1018	1024
NOV	1004	1008	1010	1013	1014	1016	1018	1020	1022
DEC	1001	1009	1011	1014	1015	1017	1020	1022	1024

PERIOD: (PRIMARY) 1967-1979
(OVER-ALL) 1961-1979

JANUARY

AREA 0004 HAZATLAN
22.6N 107.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHDR	DRZL	FRZG PCPN	SHDR	OTHER FRZG PCPN	HAUL	PCPN AT CD TIME	PCPN PAST HOLD	THDR LTNG	FGS NO PCPN	FGS NO PCPN PAST NO	SPOKE HAZE	SPRAY BLUG DUST	NC SIG
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	1.0	.0	99.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	99.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3	.0	.0	.0	92.7
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	1.7	.0	.0	.0	.0	.0	.0	1.7	.0	0.0	0.0	.0	.0	.0	99.7
W	4.3	.0	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	95.7
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALC	2.9	.0	.0	.0	.0	.0	.0	2.9	.0	2.9	2.9	.0	.0	.0	91.2
TOT PCT	.5	.0	.0	.0	.0	.0	.0	.5	.0	.3	1.0	.0	.0	.0	97.1
TOT OBS	671														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOLD

HOLD (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHDR	DRZL	FRZG PCPN	SHDR	OTHER FRZG PCPN	HAUL	PCPN AT CD TIME	PCPN PAST HOLD	THDR LTNG	FGS NO PCPN	FGS NO PCPN PAST NO	SPOKE HAZE	SPRAY BLUG DUST	NC SIG
0000	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.0
0600	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.0
1200	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.0
1800	1.5	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	1.5	.0	95.5
TOT PCT	.5	.0	.0	.0	.0	.0	.0	.5	.0	.3	1.0	.0	.0	.0	97.1
TOT OBS	607														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOLD

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOLD (GMT)							
	0-3	4-10	11-21	22-31	30-47	48+					00	01	06	09	12	15	18	21
N	3.5	17.0	15.2	2.5	.3	.0		39.0	11.0	43.7	17.0	32.6	33.3	30.9	52.0	90.0	.0	.0
NE	1.2	0.0	1.0	.2	.0	.0		7.1	0.0	9.9	7.1	0.2	.0	0.1	11.0	0.5	.0	.0
E	.7	1.2	.1	.0	.0	.0		2.1	5.1	2.7	.0	.0	.0	1.5	.0	3.0	.0	.0
SE	1.1	1.7	.2	.0	.0	.0		2.0	0.2	.0	.0	0.5	.0	2.2	.0	3.0	.0	.0
S	.0	.0	.2	.1	.0	.0		1.5	0.0	.7	.0	1.0	.0	1.0	5.0	1.0	.0	.0
SW	.0	1.0	.2	.0	.0	.0		2.3	0.2	1.3	7.1	1.7	.0	2.2	.0	3.0	.0	.0
W	.0	3.7	1.2	.2	.0	.0		6.1	0.1	5.1	10.3	10.1	.0	0.0	.0	0.0	.0	.0
NW	2.3	10.1	10.9	2.0	.1	.0		33.0	10.7	10.0	53.0	30.0	60.7	31.9	23.5	30.0	100.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALC	5.3							5.3	.0	0.0	.0	3.7	.0	0.0	5.0	3.7	.0	.0
TOT OBS	120	355	219	40	1	0		736	9.9	151	14	191	3	170	17	100	1	1
TOT PCT	16.7	48.2	29.6	5.0	.4	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 4

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOLD (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	0.0	21.7	0.3	1.1	.0	39.0	11.0	43.7	17.0	32.6	33.3	30.9
NE	2.5	0.0	.0	.0	.0	7.1	0.0	9.9	7.1	0.2	.0	0.1
E	1.0	.5	.0	.0	.0	2.1	5.1	2.7	.0	.0	1.5	.0
SE	1.0	1.1	.1	.0	.0	2.0	0.2	.0	.0	0.5	.0	2.2
S	.0	.0	.1	.0	.0	1.5	0.0	.7	.0	1.0	.0	1.0
SW	1.2	1.0	.0	.0	.0	2.3	0.2	1.3	7.1	1.7	.0	2.2
W	3.2	2.0	.0	.0	.0	6.1	0.1	5.1	10.3	10.1	.0	0.0
NW	0.1	10.0	9.0	.3	.0	33.0	10.7	10.0	53.0	30.0	60.7	31.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALC	5.3					5.3	.0	0.0	.0	3.7	.0	0.0
TOT OBS	203	369	113	11	0	736	9.9	151	14	191	3	170
TOT PCT	27.0	50.1	15.0	1.5	.0	100.0		100.0	100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1962-1970
(SUPER-ALL) 1961-1970

AREA CODE: 0420100
22.00 107.00

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY WIND DIRECTION

WIND DIRECTION	WIND SPEED (KNOTS)						PCT OBS
	0-5	6-10	11-15	16-20	21-25	26-30	
0000	5.5	6.7	50.0	31.5	6.0	0.0	10.0
0090	3.0	5.7	57.1	29.0	7.2	0.0	10.0
17415	0.0	10.0	42.0	27.0	5.0	0.0	10.0
18021	3.7	10.0	40.3	29.5	5.7	0.0	10.0
TOT	9.0	41	95.5	230	40	1	0.0
PCT	5.1	11.0	40.7	29.0	5.0	0.0	100.0

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIRECTION	TOTAL CLOUD COVER						PCT OBS
	0-7	8-9	10-11	12-13	14-15	16-17	
0000	17.7	0.1	10.0	0.1	0.0	0.0	10.0
0090	1.0	1.7	1.0	1.7	0.0	0.0	10.0
17415	0.0	0.0	0.0	0.0	0.0	0.0	10.0
18021	0.0	0.0	0.0	0.0	0.0	0.0	10.0
TOT	18.7	1.8	11.0	1.8	0.0	0.0	10.0
PCT	60.0	15.0	24.0	10.0	0.0	0.0	100.0

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHT (FT, M) AND OCCURRENCE OF NO VIS BY WIND DIRECTION

WIND DIRECTION	CEILING HEIGHT (FT, M)												PCT OBS
	0-7	8-9	10-11	12-13	14-15	16-17	18-19	20-21	22-23	24-25	26-27	28-29	
0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0090	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17415	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (FT, M) AND VIS (MP)

CEILING HEIGHT (FT, M)	VIS (MP)							
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8
0-1000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1000-1500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1500-2000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2000-2500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2500-3000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
3000-3500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
3500-4000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
4000-4500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
4500-5000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

TOTAL NUMBER OF OBS: 100

PCT FREQ NO VIS: 10.0

TABLE 8

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

WIND DIRECTION	LOW CLOUDS (HEIGHTS)								TOTAL OBS
	0	1	2	3	4	5	6	7	
0000	30.2	15.5	13.3	0.0	0.0	0.0	0.0	0.0	0.0
0090	30.2	15.5	13.3	0.0	0.0	0.0	0.0	0.0	0.0
17415	30.2	15.5	13.3	0.0	0.0	0.0	0.0	0.0	0.0
18021	30.2	15.5	13.3	0.0	0.0	0.0	0.0	0.0	0.0
TOT	30.2	15.5	13.3	0.0	0.0	0.0	0.0	0.0	0.0
PCT	30.2	15.5	13.3	0.0	0.0	0.0	0.0	0.0	0.0

PERIOD: (PRIMARY) 1967-1976
(SECONDARY) 1961-1976

JANUARY

AREA CODE 0000 POSITION 72.00 107.00

TABLE 8

PERCENT FREE OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

STATION (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALC	PCT	TOTAL COS
4172	PCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NC PCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOT B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17241	PCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NC PCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOT B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142	PCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NC PCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOT B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
245	PCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NC PCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOT B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5410	PCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NC PCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOT B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174	PCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NC PCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOT B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT COS													0.0
TOT PCT		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 9

PERCENT FREE OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

STATION (NM)	SPEED (KTS)	N	NE	E	SE	S	SW	W	NW	VAR	CALC	PCT	TOTAL COS
4172	0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	22+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOT B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17241	0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	22+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOT B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142	0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	22+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOT B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
245	0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	22+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOT B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5410	0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	22+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOT B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174	0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	22+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOT B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT COS													0.0
TOT PCT		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PERIOD: (PRIMARY) 1961-1979
(OVER-ALL) 1961-1979

JANUARY

AREA 0004 NAZATLAN
22.64 107.80

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	TOT	n FOG	NO FOG
10/16	.0	.0	.0	.0	.2	.0	.0	1	.0	.2
11/15	.0	.0	.0	.0	.0	.2	.2	2	.0	.3
9/10	.0	.0	.0	.3	.0	.2	.2	4	.0	.7
7/0	.0	.0	.0	.0	.3	.2	.2	4	.0	.7
6	.0	.0	.0	.0	.3	.3	.2	5	.0	.8
5	.0	.0	.2	.2	.3	.3	.2	9	.0	1.5
4	.0	.3	.2	.3	.7	.3	.0	11	.0	1.8
3	.0	.0	.0	.0	.2	.2	.0	7	.0	1.2
2	.0	.0	.7	.7	2.0	.7	.0	24	.0	4.0
1	.0	.0	1.3	3.0	1.0	.5	.0	35	.0	5.9
0	.0	.0	.0	4.5	2.0	.5	.0	47	.0	7.9
-1	.0	.2	3.5	4.0	2.4	.2	.0	61	.0	10.3
-2	.0	.2	4.2	4.9	3.2	.0	.0	74	.2	12.3
-3	.0	.2	5.2	4.0	2.5	.0	.0	71	.0	11.9
-4	.0	1.2	5.0	4.2	1.8	.0	.0	73	.2	12.1
-5	.0	1.7	3.0	4.5	1.5	.2	.0	65	.2	10.8
-6	.0	.7	2.5	2.4	.3	.0	.0	35	.0	5.9
-7/-8	.2	1.2	2.7	2.9	.5	.0	.0	46	.2	7.2
-9/-10	.0	.3	1.0	1.2	.0	.0	.0	15	.0	2.5
-11/-12	.0	.2	.5	.5	.0	.0	.0	7	.0	1.2
-13/-14	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	1	37	104	229	115	24	5	595	4	591
PCT	.2	6.2	30.9	30.5	19.3	4.0	.8	100.0	.7	99.3

PERIOD: (OVER-ALL) 1961-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WIND SPEED	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150-159	160-169	170-179	180-189	190-199	200-209	210-219	220-229	230-239	240-249	250-259	260-269	270-279	280-289	290-299	300-309	310-319	320-329	330-339	340-349	350-359	360-369	370-379	380-389	390-399	400-409	410-419	420-429	430-439	440-449	450-459	460-469	470-479	480-489	490-499	500-509	510-519	520-529	530-539	540-549	550-559	560-569	570-579	580-589	590-599	600-609	610-619	620-629	630-639	640-649	650-659	660-669	670-679	680-689	690-699	700-709	710-719	720-729	730-739	740-749	750-759	760-769	770-779	780-789	790-799	800-809	810-819	820-829	830-839	840-849	850-859	860-869	870-879	880-889	890-899	900-909	910-919	920-929	930-939	940-949	950-959	960-969	970-979	980-989	990-999	1000-1009	1010-1019	1020-1029	1030-1039	1040-1049	1050-1059	1060-1069	1070-1079	1080-1089	1090-1099	1100-1109	1110-1119	1120-1129	1130-1139	1140-1149	1150-1159	1160-1169	1170-1179	1180-1189	1190-1199	1200-1209	1210-1219	1220-1229	1230-1239	1240-1249	1250-1259	1260-1269	1270-1279	1280-1289	1290-1299	1300-1309	1310-1319	1320-1329	1330-1339	1340-1349	1350-1359	1360-1369	1370-1379	1380-1389	1390-1399	1400-1409	1410-1419	1420-1429	1430-1439	1440-1449	1450-1459	1460-1469	1470-1479	1480-1489	1490-1499	1500-1509	1510-1519	1520-1529	1530-1539	1540-1549	1550-1559	1560-1569	1570-1579	1580-1589	1590-1599	1600-1609	1610-1619	1620-1629	1630-1639	1640-1649	1650-1659	1660-1669	1670-1679	1680-1689	1690-1699	1700-1709	1710-1719	1720-1729	1730-1739	1740-1749	1750-1759	1760-1769	1770-1779	1780-1789	1790-1799	1800-1809	1810-1819	1820-1829	1830-1839	1840-1849	1850-1859	1860-1869	1870-1879	1880-1889	1890-1899	1900-1909	1910-1919	1920-1929	1930-1939	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000-2009	2010-2019	2020-2029	2030-2039	2040-2049	2050-2059	2060-2069	2070-2079	2080-2089	2090-2099	2100-2109	2110-2119	2120-2129	2130-2139	2140-2149	2150-2159	2160-2169	2170-2179	2180-2189	2190-2199	2200-2209	2210-2219	2220-2229	2230-2239	2240-2249	2250-2259	2260-2269	2270-2279	2280-2289	2290-2299	2300-2309	2310-2319	2320-2329	2330-2339	2340-2349	2350-2359	2360-2369	2370-2379	2380-2389	2390-2399	2400-2409	2410-2419	2420-2429	2430-2439	2440-2449	2450-2459	2460-2469	2470-2479	2480-2489	2490-2499	2500-2509	2510-2519	2520-2529	2530-2539	2540-2549	2550-2559	2560-2569	2570-2579	2580-2589	2590-2599	2600-2609	2610-2619	2620-2629	2630-2639	2640-2649	2650-2659	2660-2669	2670-2679	2680-2689	2690-2699	2700-2709	2710-2719	2720-2729	2730-2739	2740-2749	2750-2759	2760-2769	2770-2779	2780-2789	2790-2799	2800-2809	2810-2819	2820-2829	2830-2839	2840-2849	2850-2859	2860-2869	2870-2879	2880-2889	2890-2899	2900-2909	2910-2919	2920-2929	2930-2939	2940-2949	2950-2959	2960-2969	2970-2979	2980-2989	2990-2999	3000-3009	3010-3019	3020-3029	3030-3039	3040-3049	3050-3059	3060-3069	3070-3079	3080-3089	3090-3099	3100-3109	3110-3119	3120-3129	3130-3139	3140-3149	3150-3159	3160-3169	3170-3179	3180-3189	3190-3199	3200-3209	3210-3219	3220-3229	3230-3239	3240-3249	3250-3259	3260-3269	3270-3279	3280-3289	3290-3299	3300-3309	3310-3319	3320-3329	3330-3339	3340-3349	3350-3359	3360-3369	3370-3379	3380-3389	3390-3399	3400-3409	3410-3419	3420-3429	3430-3439	3440-3449	3450-3459	3460-3469	3470-3479	3480-3489	3490-3499	3500-3509	3510-3519	3520-3529	3530-3539	3540-3549	3550-3559	3560-3569	3570-3579	3580-3589	3590-3599	3600-3609	3610-3619	3620-3629	3630-3639	3640-3649	3650-3659	3660-3669	3670-3679	3680-3689	3690-3699	3700-3709	3710-3719	3720-3729	3730-3739	3740-3749	3750-3759	3760-3769	3770-3779	3780-3789	3790-3799	3800-3809	3810-3819	3820-3829	3830-3839	3840-3849	3850-3859	3860-3869	3870-3879	3880-3889	3890-3899	3900-3909	3910-3919	3920-3929	3930-3939	3940-3949	3950-3959	3960-3969	3970-3979	3980-3989	3990-3999	4000-4009	4010-4019	4020-4029	4030-4039	4040-4049	4050-4059	4060-4069	4070-4079	4080-4089	4090-4099	4100-4109	4110-4119	4120-4129	4130-4139	4140-4149	4150-4159	4160-4169	4170-4179	4180-4189	4190-4199	4200-4209	4210-4219	4220-4229	4230-4239	4240-4249	4250-4259	4260-4269	4270-4279	4280-4289	4290-4299	4300-4309	4310-4319	4320-4329	4330-4339	4340-4349	4350-4359	4360-4369	4370-4379	4380-4389	4390-4399	4400-4409	4410-4419	4420-4429	4430-4439	4440-4449	4450-4459	4460-4469	4470-4479	4480-4489	4490-4499	4500-4509	4510-4519	4520-4529	4530-4539	4540-4549	4550-4559	4560-4569	4570-4579	4580-4589	4590-4599	4600-4609	4610-4619	4620-4629	4630-4639	4640-4649	4650-4659	4660-4669	4670-4679	4680-4689	4690-4699	4700-4709	4710-4719	4720-4729	4730-4739	4740-4749	4750-4759	4760-4769	4770-4779	4780-4789	4790-4799	4800-4809	4810-4819	4820-4829	4830-4839	4840-4849	4850-4859	4860-4869	4870-4879	4880-4889	4890-4899	4900-4909	4910-4919	4920-4929	4930-4939	4940-4949	4950-4959	4960-4969	4970-4979	4980-4989	4990-4999	5000-5009	5010-5019	5020-5029	5030-5039	5040-5049	5050-5059	5060-5069	5070-5079	5080-5089	5090-5099	5100-5109	5110-5119	5120-5129	5130-5139	5140-5149	5150-5159	5160-5169	5170-5179	5180-5189	5190-5199	5200-5209	5210-5219	5220-5229	5230-5239	5240-5249	5250-5259	5260-5269	5270-5279	5280-5289	5290-5299	5300-5309	5310-5319	5320-5329	5330-5339	5340-5349	5350-5359	5360-5369	5370-5379	5380-5389	5390-5399	5400-5409	5410-5419	5420-5429	5430-5439	5440-5449	5450-5459	5460-5469	5470-5479	5480-5489	5490-5499	5500-5509	5510-5519	5520-5529	5530-5539	5540-5549	5550-5559	5560-5569	5570-5579	5580-5589	5590-5599	5600-5609	5610-5619	5620-5629	5630-5639	5640-5649	5650-5659	5660-5669	5670-5679	5680-5689	5690-5699	5700-5709	5710-5719	5720-5729	5730-5739	5740-5749	5750-5759	5760-5769	5770-5779	5780-5789	5790-5799	5800-5809	5810-5819	5820-5829	5830-5839	5840-5849	5850-5859	5860-5869	5870-5879	5880-5889	5890-5899	5900-5909	5910-5919	5920-5929	5930-5939	5940-5949	5950-5959	5960-5969	5970-5979	5980-5989	5990-5999	6000-6009	6010-6019	6020-6029	6030-6039	6040-6049	6050-6059	6060-6069	6070-6079	6080-6089	6090-6099	6100-6109	6110-6119	6120-6129	6130-6139	6140-6149	6150-6159	6160-6169	6170-6179	6180-6189	6190-6199	6200-6209	6210-6219	6220-6229	6230-6239	6240-6249	6250-6259	6260-6269	6270-6279	6280-6289	6290-6299	6300-6309	6310-6319	6320-6329	6330-6339	6340-6349	6350-6359	6360-6369	6370-6379	6380-6389	6390-6399	6400-6409	6410-6419	6420-6429	6430-6439	6440-6449	6450-6459	6460-6469	6470-6479	6480-6489	6490-6499	6500-6509	6510-6519	6520-6529	6530-6539	6540-6549	6550-6559	6560-6569	6570-6579	6580-6589	6590-6599	6600-6609	6610-6619	6620-6629	6630-6639	6640-6649	6650-6659	6660-6669	6670-6679	6680-6689	6690-6699	6700-6709	6710-6719	6720-6729	6730-6739	6740-6749	6750-6759	6760-6769	6770-6779	6780-6789	6790-6799	6800-6809	6810-6819	6820-6829	6830-6839	6840-6849	6850-6859	6860-6869	6870-6879	6880-6889	6890-6899	6900-6909	6910-6919	6920-6929	6930-6939	6940-6949	6950-6959	6960-6969	6970-6979	6980-6989	6990-6999	7000-7009	7010-7019	7020-7029	7030-7039	7040-7049	7050-7059	7060-7069	7070-7079	7080-7089	7090-7099	7100-7109	7110-7119	7120-7129	7130-7139	7140-7149	7150-7159	7160-7169	7170-7179	7180-7189	7190-7199	7200-7209	7210-7219	7220-7229	7230-7
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PERIOD: (OVER-ALL) 1963-1979

JANUARY

ARFA 0004 PAZATLAN
22.6N 107.8W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	1.5
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	1.1	.0	2.2	.9	.0	.0	.0	3.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.3	.0	.0	.0	.0	.0	1.3	.2	.7	.0	.0	.0	.0	.9	
1-2	.0	1.3	.0	.0	.0	.0	1.3	.9	14.3	.9	.0	.0	.0	16.2	
3-4	.0	.0	1.3	.0	.0	.0	1.3	.0	4.6	1.7	1.5	.0	.0	7.7	
5-6	.0	.0	.0	.7	.0	.0	.7	.0	2.4	1.8	.7	.2	.0	5.1	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.2	.0	.0	1.5	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.3	1.0	2.0	.0	.0	.0	5.1	1.1	22.1	5.9	2.4	.2	.0	31.6	95.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.6	3.7	.7	.0	.0	.0	11.0	
1-2	2.2	28.7	5.9	.0	.0	.0	36.8	
3-4	.0	16.2	11.0	2.2	.0	.0	30.1	
5-6	.0	3.7	6.6	.7	.7	.0	11.4	
7	.0	.0	5.9	1.5	.0	.0	7.4	
8-9	.0	.0	2.2	.0	.7	.0	2.9	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	8.8	52.2	73.1	4.4	1.5	.0	100.0	136

PERIOD: (OVER-ALL) 1940-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.2	28.6	19.4	8.3	3.1	1.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	275
6-7	.0	3.5	9.4	7.1	2.3	1.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	117
8-9	.2	1.9	1.9	.0	.0	.4	.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26
10-11	.0	1.0	.6	.0	.2	.2	.4	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11
12-13	.0	.0	.4	.4	.2	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
TOTAL	5.0	1.7	1.3	.4	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	43
TOTAL	45	170	159	82	31	16	5	0	2	2	0	0	0	0	0	0	0	0	0	0	480
PCT	9.4	20.0	33.1	17.1	8.5	3.3	1.0	.0	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1959-1979AREA CODE: HAZATLGA
72.74 100.16

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHUR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHORE HAZE	SPRAY BLUG DUST	NC SIG WFA
N	.4	.4	.0	.0	.0	.0	.0	.7	.0	.5	.0	.0	1.4	.0	97.4
NE	5.0	.0	4.0	.0	.0	.0	.0	8.9	1.0	.0	.0	.0	4.0	.0	98.1
E	.0	.0	.0	.0	.0	.0	.0	.0	4.4	.0	.0	.0	.0	.0	99.4
SE	1.4	.0	5.0	.0	.0	.0	.0	7.2	.0	.0	.0	.0	.0	.0	92.0
S	4.0	.0	.0	.0	.0	.0	.0	4.0	.0	.0	.0	.0	.0	.0	96.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	99.1
NW	.5	.1	.5	.0	.0	.0	.0	1.1	.0	.5	.0	.1	7.0	.0	96.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	96.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	.0	.0	.0	.0	96.1
TOT PCT	.7	.2	.5	.0	.0	.0	.0	1.3	.2	.3	.3	.2	1.3	.0	96.4
TOT OBS:	604														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHUR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHORE HAZE	SPRAY BLUG DUST	NC SIG WFA
0000Z	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	2.3	.0	95.1
0600Z	.5	.0	.5	.0	.0	.0	.0	1.1	.0	1.1	.0	.0	.5	.0	97.1
1200Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.4
1800Z	2.0	.0	.7	.0	.0	.0	.0	2.7	.0	.0	.7	.7	7.7	.0	93.2
TOT PCT	.6	.2	.5	.0	.0	.0	.0	1.3	.2	.3	.3	.2	1.3	.0	96.5
TOT OBS:	624														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)									
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21		
N	1.5	13.7	15.8	3.5	.8	.0		35.3	13.0	39.0	20.0	20.6	.0	35.4	45.8	36.0	31.3			
NE	.2	2.3	1.4	.0	.0	.0		4.0	9.7	4.3	.0	3.1	.0	4.1	.0	4.4	.0			
E	.0	1.5	.7	.0	.0	.0		2.6	7.7	2.1	.0	2.6	.0	1.4	.0	1.6	.0			
SE	.0	1.9	.3	.0	.0	.0		3.0	6.6	4.1	.0	1.2	.0	.4	.0	4.4	.0			
S	.9	1.6	.6	.0	.0	.0		3.2	6.7	3.1	.0	1.4	.0	4.3	16.7	3.0	.0			
SW	.2	2.4	.4	.0	.0	.0		3.4	7.2	3.3	.0	3.3	.0	1.7	.0	3.6	.0			
W	.0	4.1	1.3	.7	.1	.0		6.6	9.1	6.4	.0	0.0	.0	5.6	16.7	5.0	.0			
NW	1.0	14.0	14.4	2.5	.4	.0		34.2	12.3	30.1	70.0	43.0	.0	34.7	20.8	26.7	60.8			
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CALM	7.9							7.9	.0	4.7	.0	8.7	.0	10.0	.0	8.4	.0			
TOT OBS	101	298	245	47	9	0	700		10.6		128	10	183	0	177	6	194			
TOT PCT	14.0	42.6	33.0	6.7	1.3	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	100.0			

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+						00	03	09	18
N	6.5	19.8	7.0	1.1	.1		35.3	13.0	39.0	20.6	35.4	45.8	36.0	31.3
NE	1.4	2.1	.5	.0	.0		4.0	9.7	4.3	.0	4.1	.0	4.4	.0
E	1.3	1.1	.1	.0	.0		2.6	7.7	2.1	.0	2.6	.0	1.4	.0
SE	1.7	1.3	.0	.0	.0		3.0	6.6	4.1	.0	1.2	.0	.4	.0
S	1.9	1.2	.1	.0	.0		3.2	6.7	3.1	.0	1.4	.0	4.3	16.7
SW	1.6	1.4	.1	.0	.0		3.4	7.2	3.3	.0	3.3	.0	1.7	.0
W	3.0	3.1	.3	.3	.0		6.6	9.1	6.4	.0	0.0	.0	5.6	16.7
NW	7.5	18.5	7.1	1.2	.0		34.2	12.3	30.1	70.0	43.0	34.7	20.8	26.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.9						7.9	.0	4.7	.0	8.7	.0	10.0	.0
TOT OBS	229	340	112	10	1	700		10.6			128	10	183	6
TOT PCT	72.7	48.6	16.0	2.6	.1		100.0		100.0	100.0	100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1957-1974
(COVER-ALL) 1959-1974

AREA NO. HAZATLAN
22.74 108.16

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALP	WIND SPEED (KNOTS)					NO.	MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47				
0000	0.3	0.0	39.9	35.5	10.0	1.4	10	11.9	100.0	139
0000	0.2	0.0	40.8	35.5	9.9	2.2	10	11.0	100.0	143
1200	0.7	0.3	43.0	33.0	6.7	1.1	10	10.1	100.0	174
1800	0.4	7.0	41.4	36.0	5.9	1.5	10	9.9	100.0	203
TOT	55	40	290	265	67	9	10	10.6		702
PCT	7.9	0.0	42.6	38.0	6.7	1.3	10		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN (100% COVER)
N	20.7	0.1	0.0	2.0		2.7
NE	2.1	1.1	1.7	1.0		2.0
E	1.1	1.0	1.7	1.0		1.3
SE	1.2	1.0	1.0	1.0		1.0
S	1.0	1.7	1.0	1.1		1.1
SW	2.0	1.0	1.1	1.7		1.0
W	1.7	1.0	1.0	1.7		2.0
NW	10.6	1.0	0.7	1.0		2.0
VAR	1.0	1.0	1.0	1.0		1.0
CALP	0.7	1.0	1.0	1.0		1.7
TOT OBS	52	61	100	64	576	
TOT PCT	50.3	12.0	20.7	6.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, AM 30/0)
AND OCCURRENCE OF AM 30/0 BY WIND DIRECTION

WIND DIR	100	150	200	300	400	500	600	700	800	900	1000	1500	2000	3000	4000	5000	6000	7000	8000	9000	10000	TOTAL
N	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	11.7
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.7
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
VAR	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CALP	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TOT OBS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOT PCT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (AM 30/0) AND WIND DIR

CEILING (FEET)	100	150	200	300	400	500	600	700	800	900	1000	1500	2000	3000	4000	5000	6000	7000	8000	9000	10000	TOTAL
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TOTAL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBS: 545

PCT FREQ AM 30/0: 0.0

TABLE 8

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

C	1	2	3	4	5	6	7	8	9	10	TOTAL
0.0	10.5	11.1	0.3	0.7	7.0	0.3	1.0	0.0	1.7	50.0	

FEBRUARY

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1959-1976AREA CODE: HAZATON
22.7% 100.1%

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

USBY (HR)		N	NE	E	SE	S	SW	W	NW	WAP	CALP	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NC PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NC PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NC PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NC PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NC PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NC PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS		34.0	4.2	2.0	2.0	1.1	1.6	6.7	33.0	.0	0.1	100.0	603
TOT PCT		34.0	4.2	2.0	2.0	1.1	1.6	6.7	33.0	.0	0.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

USBY (HR)	SPD KTS	N	NE	E	SE	S	SW	W	NW	WAP	CALP	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS		34.0	4.2	2.0	2.0	1.1	1.6	6.7	33.0	.0	0.1	100.0	603
TOT PCT		34.0	4.2	2.0	2.0	1.1	1.6	6.7	33.0	.0	0.1	100.0	

PERIOD: (PRIMARY) 1957-1976
(OVER-ALL) 1950-1976

FEBRUARY

AREA CODE 042410
72.7°N 100.1°W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET) BY HOUR
OCCURRENCE OF 40-45°F BY HOUR

HOUR (GMT)	0000	0300	0600	0900	1200	1500	1800	2100	2400	TOTAL OBS	NO. 40-45°F OBS	TOTAL OBS
0000Z	0	0	0	0	0	0	0	0	0	21.0	70.0	119
0600Z	0	0	0	0	0	0	0	0	0	11.0	89.1	100
1200Z	0	0	0	0	0	0	0	0	0	10.0	89.1	102
1800Z	0	0	0	0	0	0	0	0	0	11.0	89.9	128
TOT	1	1	1	1	1	1	1	1	1	60	89.7	559
PCT	.2	.2	.2	.2	.2	.2	.2	.2	.2	10.0	89.1	100.0

TABLE 11

PERCENT FREQUENCY (50% INT) BY HOUR

HOUR (GMT)	1/2	1/2	1/2	1/2	1/2	1/2	TOTAL OBS
0000Z	0	0	0	0	0	0	130
0600Z	0	0	0	0	0	0	107
1200Z	0	0	0	0	0	0	100
1800Z	0	0	0	0	0	0	109
TOT	2	0	1	2	3	5	636
PCT	.2	0	.2	.3	.5	.8	100.0

TABLE 12

CUMULATIVE PCT FREQ. OF 40-45°F BY HOUR
CEILING HEIGHT (FEET) BY HOUR

HOUR (GMT)	0000	0300	0600	0900	1200	1500	1800	2100	2400	TOTAL OBS
0000Z	0	0	0	0	0	0	0	0	0	119
0600Z	0	0	0	0	0	0	0	0	0	100
1200Z	0	0	0	0	0	0	0	0	0	102
1800Z	0	0	0	0	0	0	0	0	0	128
TOT	2	0	1	2	3	5	6	6	6	559
PCT	.2	0	.2	.3	.5	.8	1.0	1.0	1.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
05/00	0	0	0	0	0	0	0	0	1	.2
06/00	0	0	0	0	0	0	0	0	0	0
07/00	0	0	0	0	0	0	0	0	0	0
08/00	0	0	0	0	0	0	0	0	0	0
09/00	0	0	0	0	0	0	0	0	0	0
10/00	0	0	0	0	0	0	0	0	0	0
11/00	0	0	0	0	0	0	0	0	0	0
12/00	0	0	0	0	0	0	0	0	0	0
13/00	0	0	0	0	0	0	0	0	0	0
14/00	0	0	0	0	0	0	0	0	0	0
15/00	0	0	0	0	0	0	0	0	0	0
16/00	0	0	0	0	0	0	0	0	0	0
17/00	0	0	0	0	0	0	0	0	0	0
18/00	0	0	0	0	0	0	0	0	0	0
19/00	0	0	0	0	0	0	0	0	0	0
20/00	0	0	0	0	0	0	0	0	0	0
21/00	0	0	0	0	0	0	0	0	0	0
22/00	0	0	0	0	0	0	0	0	0	0
23/00	0	0	0	0	0	0	0	0	0	0
24/00	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0	0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TEMP	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS
05/00	0	0	0	0	0	0	0	0	1
06/00	0	0	0	0	0	0	0	0	0
07/00	0	0	0	0	0	0	0	0	0
08/00	0	0	0	0	0	0	0	0	0
09/00	0	0	0	0	0	0	0	0	0
10/00	0	0	0	0	0	0	0	0	0
11/00	0	0	0	0	0	0	0	0	0
12/00	0	0	0	0	0	0	0	0	0
13/00	0	0	0	0	0	0	0	0	0
14/00	0	0	0	0	0	0	0	0	0
15/00	0	0	0	0	0	0	0	0	0
16/00	0	0	0	0	0	0	0	0	0
17/00	0	0	0	0	0	0	0	0	0
18/00	0	0	0	0	0	0	0	0	0
19/00	0	0	0	0	0	0	0	0	0
20/00	0	0	0	0	0	0	0	0	0
21/00	0	0	0	0	0	0	0	0	0
22/00	0	0	0	0	0	0	0	0	0
23/00	0	0	0	0	0	0	0	0	0
24/00	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEC F) BY HOUR

HOUR (GMT)	MAX	MIN	95%	50%	5%	1%	MEAN	TOTAL OBS
0000Z	66	66	70	70	66	66	67	119
0600Z	67	70	77	69	67	67	69.5	100
1200Z	67	70	77	69	67	67	69.5	102
1800Z	67	70	77	69	67	67	69.5	128
TOT	66	66	70	69	66	66	69.5	559

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS
0000Z	0	0	0	0	0	0	0	0	119
0600Z	0	0	0	0	0	0	0	0	100
1200Z	0	0	0	0	0	0	0	0	102
1800Z	0	0	0	0	0	0	0	0	128
TOT	0	0	0	0	0	0	0	0	559

FEBRUARY

PERIOD: (PRIMARY) 1957-1970
(OVER-ALL) 1959-1975AREA 0004 HAZATLAN
22.7N 106.1E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	57 60	61 64	65 69	66 72	73 76	77 80	81 84	85 88	TOT	h FOG	HC FOG
10/14	.0	.0	.0	.0	.0	.2	.0	.0	1	.0	.2
11/13	.0	.0	.0	.0	.3	.2	.2	.0	4	.0	.7
9/10	.0	.0	.0	.0	.2	.5	.5	.2	8	.0	1.4
7/8	.0	.0	.0	.2	.2	.5	.0	.0	5	.0	.8
6	.0	.0	.2	1.0	.2	.3	.2	.0	11	.0	1.9
5	.0	.0	.2	.3	.2	.2	.0	.0	5	.0	.8
4	.0	.0	.2	.5	1.2	.3	.2	.0	14	.0	2.4
3	.0	.0	.4	.7	.8	.3	.0	.0	14	.0	2.4
2	.0	.0	.0	2.0	1.4	.0	.2	.0	21	.0	3.4
1	.0	.3	.7	3.4	1.9	.5	.0	.0	46	.0	6.8
0	.0	.2	2.0	5.3	3.1	.3	.0	.0	64	.0	11.7
-1	.0	.0	4.4	3.7	1.0	.0	.0	.0	94	.0	9.2
-2	.0	.3	8.4	2.7	1.7	.2	.0	.0	76	.0	13.4
-3	.0	.3	6.1	4.4	.0	.0	.0	.0	69	.2	11.5
-4	.0	1.0	4.1	3.1	.5	.2	.0	.0	52	.0	8.8
-5	.0	1.4	3.9	3.6	.5	.0	.0	.0	55	.0	9.3
-6	.0	1.7	1.7	1.7	.7	.0	.0	.0	34	.0	5.8
-7/-8	.2	1.7	1.4	1.4	.1	.0	.0	.0	29	.0	4.9
-9/-10	.2	.5	1.0	.3	.0	.0	.0	.0	12	.0	2.0
-11/-12	.0	.2	.7	.8	.2	.0	.0	.0	11	.0	1.9
-13/-14	.0	.2	.0	.2	.0	.0	.0	.0	2	.0	.3
TOTAL	2	46	214	89	22	1	500	2	587		
PCT	.1	7.8	36.3	15.1	3.7	1.2	.2	100.0	.1	99.7	

PERIOD: (OVER-ALL) 1963-1970

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WCT	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	TOT	PCT
1-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30-39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40-49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50-59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60-69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70-79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80-89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90-99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

MARCH

PERIOD: (PRIMARY) 1959-1979
(COVER-ALL) 1987-1979

AREA CODE: 02070
72.76 107.00

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SMOG	DRZL	FRZL PCPN	SMOG	OTHER FRZL PCPN	HAIL	PCPN AT 00 TIME	PCPN PAST HOUR	THDR LTNG	FCG NO PCPN	FCG NO PCPN PAST HR	SMOKE	SPRAY	W
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	98.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	97.0
E	4.2	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	95.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	.0	.0	.0	90.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	89.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	97.0
WAB	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WAB	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	92.0
TOT PCT	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0	.7	.0	1.0	.1	98.0
TOT OBS	720														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SMOG	DRZL	FRZL PCPN	SMOG	OTHER FRZL PCPN	HAIL	PCPN AT 00 TIME	PCPN PAST HOUR	THDR LTNG	FCG NO PCPN	FCG NO PCPN PAST HR	SMOKE	SPRAY	W
0000	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	98.0
0600	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	2.1	.0	98.0
1200	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	96.0
1800	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	.0	95.0
TOT PCT	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	1.0	.1	98.0
TOT OBS	720														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT OBS	MEAN SPD	HOUR (GMT)							
	0-10	11-21	22-33	34-47	48-61	62-75	76-87				00	06	12	18	24	30	36	42
N	2.2	11.1	0.0	1.0	.0	.0	.0	22.5	10.0	10.0	10.0	20.1	.0	20.0	17.7	25.0	10.7	
NE	1.7	2.2	.0	.1	.0	.0	.0	5.2	6.5	3.0	10.0	5.0	.0	.0	10.7	5.7	10.7	
E	1.0	1.0	.2	.1	.0	.0	.0	3.3	5.0	3.0	.0	2.1	.0	.1	20.0	1.7	.0	
SE	.0	2.2	.0	.0	.0	.0	.0	3.1	5.3	2.7	.0	2.1	.0	.1	5.2	0.1	.0	
S	.0	2.1	.1	.0	.0	.0	.0	2.9	6.0	0.7	10.0	3.0	.0	1.0	.0	2.0	.0	
SW	.0	2.0	.0	.0	.0	.0	.0	3.0	7.1	0.0	.0	0.0	.0	2.0	0.2	2.0	3.1	
W	2.1	0.0	3.0	.0	.0	.0	.0	13.2	0.1	17.0	10.0	13.0	10.7	15.0	7.0	10.0	.0	
NW	3.0	10.0	12.0	1.0	.2	.0	.0	16.2	10.2	00.2	00.0	37.0	07.3	31.7	20.0	30.1	.0	
WAB	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	
TOT OBS	101	300	712	24	2	0	0	810	0.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	
TOT PCT	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	

TABLE 4

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT OBS	MEAN SPD	HOUR (GMT)							
	0-10	11-21	22-33	34-47	48-61	62-75	76-87				00	06	12	18	24	30	36	42
N	7.3	11.0	3.1	.2	.0	.0	.0	22.5	10.0	10.0	10.0	20.1	.0	20.0	17.7	25.0	10.7	
NE	2.0	2.2	.1	.0	.0	.0	.0	5.2	6.5	3.0	10.0	5.0	.0	.0	10.7	5.7	10.7	
E	2.3	.0	.2	.0	.0	.0	.0	3.3	5.0	3.0	.0	2.1	.0	.1	20.0	1.7	.0	
SE	2.1	1.0	.0	.0	.0	.0	.0	3.1	5.3	2.7	.0	2.1	.0	.1	5.2	0.1	.0	
S	1.7	1.3	.0	.0	.0	.0	.0	2.9	6.0	0.7	10.0	3.0	.0	1.0	.0	2.0	.0	
SW	2.1	1.3	.0	.0	.0	.0	.0	3.0	7.1	0.0	.0	0.0	.0	2.0	0.2	2.0	3.1	
W	0.5	0.5	1.1	.1	.0	.0	.0	13.2	0.1	17.0	10.0	13.0	10.7	15.0	7.0	10.0	.0	
NW	11.0	20.3	0.2	.2	.0	.0	.0	16.2	10.2	00.2	00.0	37.0	07.3	31.7	20.0	30.1	.0	
WAB	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	
TOT OBS	370	362	73	5	0	0	0	810	0.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	
TOT PCT	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	

PERIOD: (PRIMARY) 1958-1979
(OVER-ALL) 1900-1979

MARCH

AREA CODE: PAZATLAN
22.7N 107.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000	4.5	12.4	46.6	32.6	3.9	.0	.0	9.3	100.0	178
0600	10.7	12.2	49.2	24.4	3.6	1.0	.0	8.6	100.0	197
1200	12.1	16.1	49.2	21.1	1.5	.0	.0	7.2	100.0	199
1800	11.0	12.7	46.1	26.1	3.3	.0	.0	8.0	100.0	245
TOT	82	109	389	212	24	2	0	8.3		819
PCT	10.0	13.3	47.5	25.9	3.1	.2	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	13.0	5.2	4.6	.0	23	2.5
NE	2.1	1.7	.8	.2	4.8	2.7
E	1.5	.5	.7	.1	3.1	3.1
SE	.0	.5	.5	.0	1.0	4.7
S	.0	.7	.7	.0	1.4	4.5
SW	1.4	.1	.7	.3	2.5	3.4
W	6.0	3.0	3.5	.2	12.7	2.0
NW	17.2	7.6	8.7	2.0	35.5	1.0
WAB	.0	.0	.0	.0	0	.0
CALM	9.7	1.4	2.7	1.4	15.2	3.2
TOT OBS	79	120	135	65	399	3.0
TOT PCT	24.2	29.3	33.8	16.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WIND DIR	CEILING HEIGHTS (FT, NM)										NM <5/8	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+		
N	149	299	599	999	1999	3999	7999	15999	31999	63999	22.0	
NE	.0	.0	.0	.3	.6	.0	.6	.0	.5	.0	4.3	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	
W	.2	.1	.0	.6	.2	.3	.0	.1	.0	.0	11.0	
NW	.3	.0	.2	.5	2.1	.6	.9	.2	.4	.2	30.0	
WAB	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	7.0	
TOT OBS	6	2	1	14	25	10	10	3	6	2	591	
TOT PCT	1.0	.3	.2	2.5	4.2	1.0	1.7	.5	1.0	.3	85.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>3	>2	>1	>1/2	>1/4	>5000
>0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
>5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
>15000	3.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5
>20000	6.1	6.3	6.3	6.3	6.3	6.3	6.3	6.3
>10000	9.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4
>5000	11.3	13.1	13.1	13.1	13.1	13.1	13.1	13.1
>1500	11.4	13.3	13.4	13.4	13.4	13.4	13.4	13.4
>500	11.6	13.6	13.8	13.8	13.8	13.8	13.8	13.8
>0	11.9	14.1	14.4	14.4	14.4	14.4	14.4	14.4
TOTAL	72	85	87	87	87	88	88	90

TOTAL NUMBER OF OBS: 603

PCT FREQ NM <5/8: 85.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
46.5	11.6	11.1	9.6	4.0	5.3	3.1	3.1	3.0	.4	637

MARCH

PERIOD: 1962(MARCH) 1954-1979
COVER-ALL: 1960-1979

AREA CODE: 04204204
72.7N 107.4E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

WSPR (MP)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
0-1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2-1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2-5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	1.0	.0	.0	.0	.0	.0	1.0	1.0	.0	1.0	10.0	1.0
	TOT B	1.0	.0	.0	.0	.0	.0	1.0	1.0	.0	1.0	10.0	1.0
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	11.0	0.0	2.0	2.0	2.0	2.0	11.0	11.0	.0	1.0	80.0	11.0
	TOT B	11.0	0.0	2.0	2.0	2.0	2.0	11.0	11.0	.0	1.0	80.0	11.0
TOT OBS													717
TOT PCT													9.4 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

WSPR (MP)	WTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
0-1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	0-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2-1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	0-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	0-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2-5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	0-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	0-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10+	0-3	2.0	1.0	.0	.0	.0	.0	2.0	1.0	.0	.0	10.0	2.0
	0-10	10.0	2.0	1.0	1.0	2.0	2.0	10.0	11.0	.0	.0	80.0	10.0
	11-21	0.0	1.0	.0	.0	.0	.0	1.0	1.0	.0	.0	2.0	0.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	12.0	4.0	1.0	1.0	2.0	2.0	13.0	13.0	.0	.0	92.0	12.0
TOT OBS													720
TOT PCT													9.8 100.0

AREA 0004 PAZATLAN
22.74 107.84

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, MM 34/8) AND
OCCURRENCE OF MM (5/8 BY HOUR

HOUR (GMT)	000 149	140 29	300 59	600 99	1000 199	2000 349	3500 499	5000 649	6500 799	0000+	TOTAL	NW <5/8 DAY HGT	TOTAL OB
0600	1.4	.0	.0	3.4	4.1	2.7	2.0	.0	1.4	1.4	16.3	83.7	147
0610	.4	.4	.0	3.0	4.8	3.4	1.2	.4	.4	.0	14.9	85.1	140
1215	2.0	.7	1.3	3.3	4.6	2.6	.7	.7	.7	.0	16.6	83.4	151
1821	.0	.0	.0	1.2	3.7	2.5	2.5	.4	1.2	.0	11.7	88.3	163
TOT	6	2	2	17	27	18	10	3	6	2	93	536	629
PCT	1.0	.3	.3	2.7	4.3	2.9	1.6	.5	1.0	.3	14.8	85.2	100.0

TABLE 12

PERCENT FREQUENCY USDT (MM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10<	TOTAL OPS
00003	.6	.0	.0	.6	11.2	85.6	178
06409	.0	.0	.0	.0	12.2	87.0	196
12015	1.6	.5	.0	2.6	12.6	82.6	190
18021	.0	.0	.0	1.0	6.2	92.7	193
TC1	4	1	0	0	83	657	753
PC1	.5	.1	.0	1.1	11.0	87.3	100.0

CUMULATIVE PCT FRFG OF RANGES OF USBY INMI AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HOURLY TEMP	<150 <50°F	4000 °C	<1000 °C	1000- 1400 °C	1400- 1800 °C	TOTAL CDS
00003	1.4	2.1	4.9	11.3	83.0	102.7
06009	.6	1.2	8.3	10.5	85.2	105.6
12015	2.1	4.2	9.0	9.0	81.9	106.2
18021	.0	.0	1.3	11.0	87.7	100.0
TOT PCT	6 1.0	11 1.8	29 4.6	63 10.0	511 80.7	603 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.2	.3	.0	.0	.0	3	.5
80/84	.0	.2	.1	.2	.2	.3	.2	.0	8	1.4
75/79	.0	.0	1.0	1.9	2.6	5.1	1.4	.2	71	12.1
70/74	.0	.0	.0	2.9	8.3	14.0	13.7	5.8	283	45.0
65/69	.0	.0	.0	1.0	8.5	15.5	10.4	.2	214	34.2
60/64	.0	.0	.0	.7	.7	1.0	1.4	1.7	27	4.3
TOTAL	.0	1	10	37	61	213	256	87	585	100.0
PCT	.0	.2	1.7	6.1	13.0	36.4	26.7	14.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CAMP
.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
.2	.0	.0	.5	.2	.0	.2	.3	.0	.0	.1
.3	.6	.3	.6	.3	.6	.4	.6	.0	.0	.9
.4	.2	.2	.0	.9	.4	.5	.4	.7	.3	.5
.5	.7	1.0	.6	.0	.1	.2	.4	.3	.1	.0
.6	.3	.0	.0	.1	.3	.3	.4	.0	.0	.5
.7	.0	.0	.2	.6	.7	.3	.1	.5	.0	.1

TABLE 19

MEANS, EXTREMS AND PERCENTILES OF TEMP (DEG F) BY HOUR

NOUR (SMY)	PAT	000	050	000	50	10	MIN	MEAN	TOTAL 000
00000	00	05	70	72	00	05	05	72.2	171
00000	70	70	75	70	05	00	02	60.9	190
12010	01	75	73	60	00	01	01	60.7	200
10010	00	07	70	72	00	07	03	72.2	230
TOT	00	01	70	70	05	07	01	70.0	000

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-89	90-79	80-89	90-100	MEAN	TOTAL CBS
0000	.0	13.6	19.7	38.6	18.9	9.1	73	132
0600	.0	4.2	7.8	30.7	36.7	20.5	80	166
1205	.0	3.2	5.7	36.1	29.7	25.3	81	150
1802	.0	12.1	23.5	37.6	19.5	7.4	72	149
TOT	0	40	83	215	162	97	77	625

PERIOD: (PRIMARY) 1950-1970
(OVER-ALL) 1907-1970

WABCM

AREA CODE HAZARLON
22.74 107.00

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHIN PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	61 64	65 68	66 72	73 76	77 80	81 84	85 88	101 FOG	0 FOG	00 FOG
23/25	.0	.0	.0	.2	.0	.0	.0	1	.0	.2
20/22	.0	.0	.0	.0	.0	.2	.0	1	.0	.2
17/19	.0	.0	.0	.2	.3	.0	.2	4	.0	.6
14/16	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
11/13	.0	.0	.0	.5	.5	.2	.0	7	.0	1.1
9/10	.0	.0	.2	.2	.0	.3	.2	10	.0	1.5
7/8	.0	.2	.5	.0	1.1	.3	.0	10	.0	2.7
6	.0	.0	.0	.0	.2	.0	.0	6	.0	.9
5	.0	.2	.3	1.1	1.7	.0	.2	72	.0	3.3
4	.0	.6	.3	.6	.3	.0	.0	14	.0	2.1
3	.0	.3	1.0	1.4	.6	.0	.0	27	.0	6.1
2	.0	.6	2.6	2.4	.5	.0	.0	40	.0	6.1
1	.0	.3	3.0	3.4	.5	.0	.0	49	.0	7.4
0	.0	1.0	6.4	5.2	.6	.0	.0	79	.2	11.8
-1	.0	2.4	5.5	2.9	.0	.0	.0	71	.2	10.6
-2	.6	4.1	4.7	1.5	.0	.0	.0	72	.0	10.9
-3	.3	0.0	0.2	1.0	.0	.0	.0	74	.9	10.9
-4	.9	2.4	2.4	.9	.0	.0	.0	44	.0	6.7
-5	.6	1.2	3.0	.3	.0	.0	.0	47	.2	7.0
-6	.0	2.0	2.1	.3	.0	.0	.0	14	.2	9.0
-7/-8	.0	1.0	.5	.2	.0	.0	.0	20	.0	3.0
-9/-10	.5	1.1	.3	.0	.0	.0	.0	12	.0	1.0
-11/-12	.3	.5	.3	.0	.0	.0	.0	7	.0	1.1
TOTAL	30	174	251	151	45	3	3	600	.9	644
PCT	4.5	26.4	30.0	22.9	6.0	.9	.5	100.0	.9	90.1

PERIOD: (OVER-ALL) 1903-1970

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	A						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	1.3	2.9	.5	.0	.0	.0	0.6	.0	.2	.0	.0	.0	.0	.2
1-2	.5	5.9	2.2	.0	.0	.0	0.7	.0	1.4	.0	.0	.0	.0	2.4
3-4	.0	1.4	3.2	.0	.0	.0	0.8	.0	.6	.0	.0	.0	.0	.6
5-6	.0	1.4	2.2	.5	.0	.0	0.3	.0	.0	.6	.0	.0	.0	.6
7	.0	.6	1.8	.6	.0	.0	3.0	.6	.0	.0	.0	.0	.0	.6
8-9	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6
10-11	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.8	12.7	9.9	2.4	.0	.0	20.8	.6	2.4	1.4	.0	.0	.0	6.5

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.6	1.3	.0	.0	.0	.0	1.9	.6	.6	.0	.0	.0	.0	1.3
1-2	.0	3.0	.5	.0	.0	.0	3.5	.0	.2	.2	.0	.0	.0	.3
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6
10-11	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	4.3	.5	.6	.0	.0	6.1	.6	1.0	.2	.0	.0	.0	1.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

DATA FROM 00/07/66
72.1% 167.00

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHT (FT)

WGT	S										So										TOTAL PCT
	1-5	6-10	11-21	22-33	34-47	48+	PCT	1-5	6-10	11-21	22-33	34-47	48+	PCT	1-5	6-10	11-21	22-33	34-47	48+	
1-5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6-10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
11-21	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
22-33	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
34-47	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
48+	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TOT PCT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

WGT	1-5	6-10	11-21	22-33	34-47	48+	PCT	TOT OBS
1-5	10.2	10.2	1.4	1.0	1.0	1.0	22.1	
6-10	1.0	26.1	7.0	1.0	1.0	1.0	46.0	
11-21	1.0	0.9	0.3	1.3	1.0	1.0	10.5	
22-33	1.0	1.0	5.1	1.3	1.0	1.0	10.0	
34-47	1.0	1.0	1.0	1.0	1.0	1.0	7.0	
48+	1.0	1.0	1.0	1.0	1.0	1.0	7.0	
TOT PCT	15.3	51.0	26.1	7.0	1.0	1.0	100.0	157

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SECS)	1-2	3-4	5-6	7	8-9	10-11	12	13-14	15-16	17-19	20-22	23-25	26-32	33-40	41-49	50-60	61-70	71-86	87+	TOTAL	MEAN WGT
1-2	7.4	21.8	13.6	6.2	2.7	1.5	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	112	3
3-4	1.0	1.0	10.9	5.0	1.7	1.0	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	103	4
5-6	1.0	1.0	1.0	1.2	1.2	1.3	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	25	6
7-9	1.0	1.0	1.0	1.2	1.3	1.2	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	14	5
10-11	1.0	1.0	1.0	1.2	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	8	5
12-13	1.0	1.0	1.0	1.2	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	8	5
15-17	1.0	1.0	1.0	1.2	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	8	5
INDET	12.3	1.5	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	91	1
TOTAL	122	160	160	86	37	11	5	2	2	1	0	0	0	0	0	0	0	0	0	905	3
PCT	20.5	28.9	28.4	14.5	6.2	1.9	1.0	1.3	1.3	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	100.0	

PERIOD: (PRIMARY) 1959-1970
(SECONDARY) 1959-1970

APRIL

AREA CODE: 03201
STATION: 77.6N 107.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA						
WIND DIR	RAIN	RAIL Snow	FRZL	FRZL PCPN	SNOB PCPN	THDR PCPN	HAIR	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG NO PCPN	FGG NO PCPN	SPDR HAZE	SPRAY BLDG DUST	NC SIG WFA	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	1.1	.0	99.6	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.1	.0	0.1	.0	91.3	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	1.1	.0	90.0	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	0.7	.0	91.6	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	92.1	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	97.1	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	97.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	90.1	
WDR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.0	.0	90.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	1.1	.0	90.1	
TOT OBS	619															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIL SNOW	DRZL	FRZL PCPN	SNOB PCPN	OTHER PCPN	HAIR	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG NO PCPN	FGG NO PCPN	SPDR HAZE	SPRAY BLDG DUST	NC SIG WFA
0000Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	90.2
0600Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	97.7
1200Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.0	.0	90.9
1800Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.3	.0	90.9
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.0	.0	95.1
TOT OBS:	617														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-31	32-47	48+				00	03	06	09	12	15	18	21
N	0.3	0.0	1.0	.2	.0	.0	10.9	7.9		11.9	27.3	17.0	.0	10.5	3.0	10.0	10.7
NE	1.0	1.0	.0	.0	.0	.0	3.0	0.0		1.1	.0	2.0	.0	0.2	1.0	1.0	.0
E	1.0	2.1	.0	.0	.0	.0	4.0	0.3		1.3	.0	1.2	.0	0.0	20.5	2.0	.0
SE	2.1	1.0	.0	.0	.0	.0	4.0	0.5		4.2	.0	2.0	.0	1.1	22.1	3.0	.0
S	1.7	3.0	.0	.0	.0	.0	5.3	0.9		3.3	.0	0.1	.0	0.0	0.0	10.0	.0
SW	1.0	0.0	1.3	.0	.0	.0	2.3	0.7		0.0	.0	0.1	.0	0.0	1.0	13.5	.0
W	1.2	11.5	0.0	.1	.0	.0	14.0	0.3		20.0	0.0	10.0	0.0	17.0	0.0	10.1	25.0
NW	0.0	10.0	10.0	.1	.0	.0	31.0	0.2		10.5	0.0	10.0	0.0	10.0	25.2	25.2	0.0
WDR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	10.0						10.0	.0		0.0	.0	0.0	0.0	10.7	10.1	0.0	10.7
TOT OBS	209	339	109	4	0	0	700	7.1		136	22	170	5	177	20	100	6
TOT PCT	29.0	48.1	21.3	.7	.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	1.7	0.2	1.0	.0	.0	10.9	7.9		10.1	10.5	13.0	10.0	
NE	1.0	1.0	.0	.0	.0	3.0	0.0		1.1	2.7	0.0	1.0	
E	1.1	.0	.0	.0	.0	4.0	0.3		1.3	1.1	1.0	2.0	
SE	2.0	1.1	.0	.0	.0	4.0	0.5		4.2	2.0	0.1	3.2	
S	2.0	2.0	.0	.0	.0	5.3	0.9		3.3	0.0	0.0	0.0	
SW	0.0	2.1	.0	.0	.0	2.3	0.7		0.0	0.0	0.0	13.0	
W	1.2	11.0	1.1	.0	.0	14.0	0.3		20.0	10.5	10.1	10.3	
NW	10.0	10.0	2.0	.0	.0	31.0	0.2		10.5	10.0	20.0	25.0	
WDR	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	
CALM	10.0					10.0	.0		0.0	13.1	11.2	0.1	
TOT OBS	35	30	36	0	0	700	7.1		150	103	205	150	
TOT PCT	10.0	40.0	5.1	.0	.0	100.0			100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1933-1979
(OVER-ALL) 1959-1979

APRIL

AREA CODE PAZATLAN
27.6N 107.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)					N/A	MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47				
0000Z	5.7	14.6	46.8	22.3	.6	.0	.0	6.4	100.0	159
0600Z	13.1	21.3	46.1	20.8	.6	.0	.0	7.0	100.0	187
1200Z	11.2	22.2	48.8	17.6	.6	.0	.0	6.6	100.0	204
1800Z	9.1	20.8	51.9	18.6	.6	.0	.0	6.6	100.0	194
TOT	70	110	150	100	4	0	0	7.1		700
PCT	10.0	15.9	40.3	21.3	.6	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS'D	TOTAL OBS	MEAN CLOUD COVER
N	9.5	2.4	2.2	.4	1.9	
NE	1.4	.3	.7	.0	2.4	
E	2.0	.4	.4	.4	2.8	
SE	1.0	.3	.4	.3	1.7	
S	2.0	1.0	1.2	.2	2.3	
SW	2.4	1.0	1.1	.7	3.2	
W	11.7	2.0	5.5	1.4	20.4	
NW	10.0	5.5	6.4	2.4	24.3	
VAR	.0	.0	.0	.0	.0	
CALM	4.5	1.5	2.6	.0	7.3	
TOT OBS	262	74	87	28	451	
TOT PCT	56.0	16.1	21.0	6.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/P)
AND OCCURRENCE OF NM <4/P BY WIND DIRECTION

MOO	150	300	600	1000	2000	3500	5000	6500	ACDGT	NM <4/P	TOTAL
100	200	500	900	1000	1000	6000	6000	7000		ANY HGT	OBS
.2	.0	.0	.7	.0	.4	.2	.2	.0	.0	12.4	
.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	2.2	
.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	2.4	
.0	.0	.0	.1	.1	.7	.1	.0	.2	.0	2.5	
.0	.0	.0	.2	.2	.0	.4	.0	.2	.0	4.2	
.0	.0	.0	.2	.7	.1	.0	.2	.0	.2	4.4	
.0	.0	.2	.7	.4	.0	.7	.8	.2	.0	10.7	
.4	.0	.2	.8	.7	1.5	.7	.7	.1	.4	20.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.4	.4	.0	.2	.0	.0	9.1	
.3	.0	.2	.7	1.4	.2	.9	.7	.4	.4	10.0	
.7	.0	.4	1.4	3.0	4.0	2.0	1.4	.4	1.1	24.2	451

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/P) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>0.05	>0
>OR>6500	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
>OR>6000	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
>OR>5500	5.1	5.1	5.3	5.3	5.3	5.3	5.3	5.3
>OR>5000	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
>OR>4000	11.5	13.0	13.0	13.0	13.0	13.0	13.0	13.0
>OR>3000	12.8	14.7	14.9	14.9	14.9	14.9	14.9	14.9
>OR>2000	12.8	14.7	15.1	15.1	15.4	15.4	15.4	15.4
>OR>1500	12.8	14.7	15.1	15.1	15.4	15.4	15.4	15.4
>OR>1000	13.2	15.1	15.4	15.4	16.0	16.0	16.0	16.0
TOTAL	62	71	74	74	75	75	75	75

TOTAL NUMBER OF OBS: 449

PCT FREQ NM <5/P: 84.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

D	1	2	3	4	5	6	7	8 OBS'D	TOTAL OBS
47.5	11.1	11.9	9.9	7.9	4.1	6.8	1.9	3.4	444

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PERIOD: (PRIMARY) 1933-1979
(OVER-ALL) 1959-1979AREA 0004 PAZATLAN
22.64 107.74

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSDB (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.2	.2	.2	.2	.0	.0	.2	.2	.0	.0	1.0	
	TOT %	.2	.2	.2	.2	.0	.0	.2	.2	.0	.0	1.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.1	.0	.0	.0	.0	.2	.2	.2	.0	.0	.6	
	TOT %	.1	.0	.0	.0	.0	.2	.2	.2	.0	.0	.6	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	2.6	1.3	1.5	1.5	1.2	2.4	2.6	5.9	.0	.0	19.7	
	TOT %	2.6	1.3	1.5	1.5	1.2	2.4	2.6	5.9	.0	.0	19.7	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	NO PCP	11.7	2.2	2.5	2.7	4.0	4.9	17.3	24.8	.0	4.1	78.2	
	TOT %	11.7	2.2	2.5	2.7	4.0	4.9	17.3	25.0	.0	4.1	78.3	
TOT OBS		618											
TOT PCT		14.6	3.1	4.3	4.3	5.1	7.4	20.2	31.2	.0	9.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSDB (NM)	SPL KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<1	0-3	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.3	
	4-10	.2	.0	.0	.2	.0	.0	.2	.2	.0	.0	.6	
	11-21	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.2	.2	.2	.2	.0	.0	.2	.3	.0	.0	1.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
2<5	0-3	.1	.0	.0	.0	.0	.0	.2	.0	.0	.2	.5	
	4-10	.0	.0	.0	.0	.0	.2	.0	.3	.0	.0	.5	
	11-21	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.0	.0	.0	.0	.2	.2	.5	.0	.2	1.1	
5<10	0-3	1.4	.9	.9	1.1	.0	.3	.1	.7	.0	1.1	6.5	
	4-10	.9	.3	.6	.3	1.1	1.7	2.4	3.3	.0		10.3	
	11-21	.0	.0	.0	.0	.0	.3	.1	1.7	.0		2.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	2.5	1.2	1.5	1.4	1.1	2.3	2.6	5.7	.0	1.1	19.3	
10+	0-3	2.9	.3	.5	1.2	1.1	1.3	2.6	3.4	.0	8.0	21.5	
	4-10	5.0	1.2	1.4	1.5	2.2	2.4	9.5	13.1	.0		37.6	
	11-21	3.0	.7	.0	.0	.5	1.0	5.2	8.0	.0		18.4	
	22+	.2	.0	.0	.0	.0	.0	.1	.1	.0	.0	.3	
	TOT %	11.9	2.1	2.4	2.7	3.8	4.7	17.4	24.8	.0	8.0	78.0	
TOT OBS		644											
TOT PCT		14.7	3.6	4.3	4.3	4.9	7.2	20.4	31.3	.0	9.4	100.0	

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PERIOD: (PRIMARY) 1933-1979
(OVER-ALL) 1959-1979

AREA CODE: MAZATLAN
72.04 127.76

TABLE 1C

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH) >4001 AND
OCCURRENCE OF NH <500 BY HOUR

HOUR (GMT)	000 100	150 200	300 300	400 300	500 1000	600 1000	700 1000	800 1000	900 1000	1000 1000	1100 1000	1200 1000	TOTAL OBS	NH <500 ANY HGT	TOTAL OBS
0000	.0	.0	.0	.0	3.7	2.0	2.0	.9	.9	.9	.9	11.9	88.1	109	
0600	.7	.0	.0	1.4	2.1	2.1	2.1	1.4	.7	2.1	12.0	87.7	141		
1200	1.4	.0	.7	4.8	3.4	8.2	2.0	1.4	.7	.7	29.1	78.4	147		
1800	.0	.0	1.2	.0	2.4	4.8	.0	2.4	1.2	.0	12.0	88.0	87		
TOT	3	0	2	9	14	22	9	7	4	5	75	405	480		
PCT	.6	.0	.4	1.9	2.9	4.6	1.9	1.5	.8	1.0	15.0	88.4	100.0		

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-3	3-10	10+	TOTAL OBS
0000	.0	3.8	.0	.0	17.1	79.1	100
0600	.0	.0	.0	1.1	19.1	79.8	103
1200	.5	1.0	.5	2.0	22.4	73.6	201
1800	.0	.8	.0	.8	19.8	78.5	121
TOT	1	9	1	7	131	514	663
PCT	.2	1.4	.2	1.1	19.9	77.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NH) AND /NH
CEILING HGT (FEET, NH) >4001, BY HOUR

HOUR (GMT)	<500 <500	<600 <600	<1000 <1000	<1000 <1000	NH <500 AND 5+	TOTAL OBS
0000	.0	.0	.0	12.0	88.0	109
0600	.7	.7	2.2	11.7	88.0	141
1200	1.4	2.1	8.4	10.9	78.0	147
1800	.0	1.2	1.2	11.0	87.8	87
TOT	1	5	14	61	392	480
PCT	.6	1.1	3.4	11.7	87.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.7	.0	.0	.0	.0	1	.2
80/84	.0	.0	.0	.6	1.3	.0	.2	.0	15	5.2
75/79	.0	.0	.0	1.4	4.3	4.0	1.4	1.1	92	19.7
70/74	.0	.0	.0	.6	5.6	14.3	22.9	10.5	252	53.8
65/69	.0	.0	.0	.6	1.3	4.4	8.1	5.6	103	22.0
60/64	.0	.0	.0	.0	.0	.0	.2	.4	5	1.1
TOTAL	0	0	2	17	50	144	163	84	468	100.0
PCT	.0	.0	.4	3.6	12.4	30.8	34.8	17.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALP
.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
.0	.1	.2	.0	.0	.0	.0	.7	.0	.0
3.4	.7	.5	.8	1.4	.7	4.1	5.8	.0	2.1
7.0	1.3	2.3	2.0	1.1	3.7	9.1	15.4	.0	4.1
2.9	.3	.6	.2	.6	1.1	5.7	8.2	.0	2.4
.2	.0	.0	.0	.0	.1	.4	.5	.0	.0
14.0	2.4	3.6	3.6	5.2	5.4	19.9	74.9	.0	10.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	90%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	86	84	81	74	70	66	64	74.5	103
0600	87	77	75	71	67	62	65	71.1	100
1200	88	76	74	70	65	63	62	70.1	211
1800	83	82	81	74	67	64	64	74.3	153
TOT	88	82	79	72	67	64	62	72.3	715

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	6.1	25.4	39.8	27.4	6.1	74	60		60
0600	.0	2.0	4.0	28.7	47.0	19.3	61	150		150
1200	.0	3.4	5.4	21.6	40.4	29.1	81	140		140
1800	.0	6.1	14.4	41.8	26.6	8.9	74	74		74
TOT	0	19	59	147	166	85	74	474		474

70041 1 1

NET FLOW OF SEA TEMPERATURE (1961) AND THE OCCURRENCE OF FOG AND/OR PRECIPITATION
VS. AIR-SEA TEMPERATURE DIFFERENCE (1961)

[illegible]

PROJ: 1000-0000 1000-1000

Page 10

DET LOG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

[illegible]

PERIOD: 1961-1970
 1961-1970

NO. 1

OFF COB: 72.00
 100.00

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN	DRZL	FRZG	SNOW	OTHER	HAIL	PCPN AT	PCPN PAST	THDR	FOG	FOG	SMOKE	SPRAY	OF		
	Shw	Shw	PCPN	PCPN	PCPN	PCPN	PCPN	OB TIME	MOON	LTNG	NO	NO	PCPN	PCPN	NO	NO	NO
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WAB	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY MOON

MOON (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN	DRZL	FRZG	SNOW	OTHER	HAIL	PCPN AT	PCPN PAST	THDR	FOG	FOG	SMOKE	SPRAY	OF		
	Shw	Shw	PCPN	PCPN	PCPN	PCPN	PCPN	OB TIME	MOON	LTNG	NO	NO	PCPN	PCPN	NO	NO	NO
0000	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
0600	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1200	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1800	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL	PCT	MEAN	HOUR (GMT)						
	0-3	4-6	7-10	11-15	16-20	21-25	26-30				00	03	06	09	12	15	18
N	2.2	5.4	1.0	.1	.0	.0	.0	8.6	7.2	6.0	11.1	7.1	.0	8.7	9.1	16.7	.0
NE	.4	7.1	.0	.0	.0	.0	.0	3.5	6.5	3.5	.0	2.9	.0	2.7	.0	5.4	.0
E	1.1	7.0	.1	.0	.0	.0	.0	1.0	5.2	1.1	11.1	2.9	3.7	5.0	13.0	6.0	.0
SE	1.0	6.0	1.0	.0	.1	.0	.0	7.5	7.1	9.0	.0	6.9	.0	6.0	9.1	9.7	.0
S	2.0	6.2	.0	.0	.0	.0	.0	7.1	5.5	7.0	.0	8.1	.0	9.1	6.5	7.0	25.0
SW	2.1	6.1	1.7	.0	.0	.0	.0	11.0	6.7	12.0	.0	13.3	6.7	9.0	17.0	9.3	25.0
W	3.0	13.0	6.5	.1	.0	.0	.0	23.0	6.0	27.2	6.0	21.0	.0	21.0	22.7	21.0	.0
NW	5.0	10.0	6.5	.1	.0	.0	.0	26.0	6.0	29.0	13.3	28.2	.0	29.1	19.3	19.0	.0
WAB	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	17.0	18.0	11.0	.1	.0	.0	.0	8.0	.0	16.7	.0	10.5	.0	12.0	6.5	5.0	50.0
TOT OBS	17.0	18.0	11.0	.1	.0	.0	.0	8.0	.0	16.7	.0	10.5	.0	12.0	6.5	5.0	50.0
TOT PCT	25.0	56.7	17.0	.0	.0	.0	.0	100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 4

WIND DIR	WIND SPEED (KNOTS)							TOTAL	PCT	MEAN	HOUR (GMT)						
	0-4	7-10	17-27	28-40	41+	42+	43+				00	03	06	09	12	15	18
N	5.0	3.0	.4	.0	.0	.0	.0	8.6	7.2	6.0	11.1	7.1	.0	8.7	9.1	16.7	.0
NE	1.9	1.5	.2	.0	.0	.0	.0	3.5	6.5	3.5	.0	2.9	.0	2.7	.0	5.4	.0
E	2.0	1.0	.0	.0	.0	.0	.0	1.0	5.2	1.1	11.1	2.9	3.7	5.0	13.0	6.0	.0
SE	6.0	2.0	.5	.1	.0	.0	.0	7.5	7.1	9.0	.0	6.9	.0	6.0	9.1	9.7	.0
S	4.7	2.2	.2	.0	.0	.0	.0	7.1	5.5	7.0	.0	8.1	.0	9.1	6.5	7.0	25.0
SW	6.4	6.0	.0	.0	.0	.0	.0	11.0	6.7	12.0	.0	13.3	6.7	9.0	17.0	9.3	25.0
W	9.0	11.7	1.9	.0	.0	.0	.0	23.0	6.0	27.2	6.0	21.0	.0	21.0	22.7	21.0	.0
NW	9.5	10.7	1.0	.0	.0	.0	.0	26.0	6.0	29.0	13.3	28.2	.0	29.1	19.3	19.0	.0
WAB	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	8.0	.0	.0	.0	.0	.0	.0	8.0	.0	16.7	.0	10.5	.0	12.0	6.5	5.0	50.0
TOT OBS	35.0	28.0	3.5	.1	.0	.0	.0	88.0	.0	16.7	.0	10.5	.0	12.0	6.5	5.0	50.0
TOT PCT	33.4	21.0	3.1	.1	.0	.0	.0	100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1954-1974
(COVER-ALL) 1961-1974

NOV

AREA CODE 00000000
LATITUDE 22.00N
LONGITUDE 100.00E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (CST)

HOUR	CALM	WIND SPEED (KNOTS)				NO.	MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47			
0000	4.1	15.0	57.3	22.2	.0	.0	.0	7.0	115.0
0000	10.3	12.7	61.2	15.0	.0	.0	.0	6.0	100.0
1215	11.0	10.0	57.0	13.0	.0	.0	.0	6.0	100.0
1842	0.1	24.0	51.0	17.0	.0	.0	.0	6.0	100.0
TOT	95	110	100	110	1	1	0	6.0	600
PCT	0.0	17.0	50.7	17.3	.0	.1	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS) BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	5.0	2.2	1.0	.0	1.0	1.0
NE	2.1	.0	.0	.0	2.0	2.0
E	.0	1.7	1.0	.0	3.0	3.0
SE	3.0	1.7	2.1	.0	5.1	5.1
S	3.0	2.7	1.1	.0	7.0	7.0
SW	6.5	2.0	2.1	.0	10.0	10.0
W	12.0	0.2	0.2	1.1	13.0	13.0
WNW	17.0	0.0	0.2	1.0	18.0	18.0
W	.0	.0	.0	.0	0.0	0.0
CALM	5.0	1.0	1.7	.0	7.0	7.0
TOT OBS	285	95	97	20	497	2.0
TOT PCT	57.3	10.1	10.4	0.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, M) AND OCCURRENCE OF NO CLOUD BY WIND DIRECTION

HGT	100	150	200	300	400	500	600	700	800	900	1000	1200	1400	1600	1800	2000	2500	3000	4000	5000	6000	8000	10000	NO CLOUD	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0
TOT OBS	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	497
TOT PCT	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (IN) AND VISIB (IN)

CEILING (FEET)	VISIB (IN)							
	>10	>5	>2	>1	>1/2	>1/4	>1/8	>0
>10	.0	.0	.0	.0	.0	.0	.0	.0
>5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
>2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
>1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
>1/2	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
>1/4	11.0	12.2	12.0	12.0	12.0	12.0	12.0	12.0
>1/8	11.0	12.2	12.0	12.0	12.0	12.0	12.0	12.0
>0	11.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
TOTAL	59	63	65	66	66	66	67	67

TOTAL NUMBER OF OBS: 507

PCT FREQ NO CLOUD: 86.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	OBSCT	TOTAL OBS
51.0	10.0	9.0	7.0	7.0	6.3	3.0	3.0	1.7	.2	520

PERIOD: (PRIMARY) 1954-1970
(OVER-ALL) 1951-1970

MAY

AREA CODE HAZELTON
22.64 100.00

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS													608
TOT PCT		0.3	7.7	3.6	6.9	6.8	11.6	23.9	26.9	.0	0.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10+	0-3	1.5	.4	1.1	1.5	2.2	2.2	3.1	2.6	.0	7.4	72.1	
	4-10	4.4	2.0	2.2	3.9	3.7	7.6	12.8	16.5	.0		53.1	
	11-21	2.0	.4	.2	.8	.3	1.2	6.0	6.5	.0		17.4	
	22+	.1	.0	.0	.2	.0	.0	.7	.1	.0		.6	
	TOT B	8.0	2.9	3.6	6.4	6.2	11.1	22.2	25.8	.0	7.4	93.3	
TOT OBS													625
TOT PCT		8.2	3.2	3.6	6.7	6.9	11.9	23.8	27.4	.0	8.6	100.0	

PERIOD: (PRIMARY) 1956-1979
(OVER-ALL) 1961-1979

PAY

AREA CODE PAZATLAN
22.4N 108.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3999	3500 4999	4500 6999	5500 7999	6500+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000Z	.0	.0	.0	.7	3.5	3.5	2.1	.0	.0	.7	10.0	89.4	142
0600Z	.0	.0	.0	.7	2.2	3.6	.7	.0	.0	1.4	8.6	91.4	139
1201Z	.0	.0	.0	3.7	6.1	3.7	3.7	.7	.0	.0	20.0	80.0	135
1802Z	.9	.9	.0	1.0	3.7	.9	2.0	.0	.9	.0	11.9	88.1	109
TOT	1	1	0	9	23	16	12	1	1	7	67	458	525
PCT	.2	.2	.0	1.7	4.4	3.0	2.3	.2	.2	.6	12.8	87.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000Z	.0	.0	.0	.0	6.0	94.3	168
0600Z	.0	.6	.6	.6	2.5	95.7	162
1201Z	.0	.0	.0	2.4	6.6	91.0	166
1802Z	.7	.0	.7	1.4	5.7	91.5	141
TOT	1	1	2	7	33	593	637
PCT	.2	.2	.7	1.1	5.7	93.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM) >5/8 BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000Z	.0	.0	.7	10.4	88.8	134
0600Z	.0	.0	1.5	7.4	91.1	135
1201Z	.0	.0	6.1	15.9	78.0	132
1802Z	.9	1.9	6.7	9.5	86.8	106
TOT	1	2	16	54	437	507
PCT	.2	.4	3.2	10.7	86.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.2	.4	.0	.0	.0	.0	3	.4
85/89	.0	.0	.2	.4	.6	1.2	.4	.4	16	3.1
80/84	.0	.2	.2	.4	5.0	6.4	2.3	1.0	80	15.5
75/79	.0	.0	.0	.4	3.1	15.1	12.6	5.0	191	37.0
70/74	.0	.0	.0	.2	3.1	7.0	16.7	8.9	185	35.9
65/69	.0	.0	.0	.0	.2	.9	3.9	2.9	39	7.4
60/64	.0	.0	.0	.0	.0	.2	.2	.2	2	.4
TOTAL	0	1	3	11	64	156	186	95	516	100.0
PCT	.0	.2	.6	2.1	12.4	30.2	36.0	18.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALP
90/94	.2	.0	.0	.2	.0	.2	.0	.0	.0	.0
85/89	.0	.0	.0	.4	.5	.4	.6	1.0	.0	.2
80/84	1.7	.3	.3	2.1	1.0	1.3	2.3	5.0	.0	1.9
75/79	3.6	2.1	1.6	3.0	3.1	4.2	7.2	8.4	.0	3.9
70/74	3.4	1.2	.9	1.2	2.2	4.5	9.0	10.7	.0	2.9
65/69	.5	.0	.6	.0	.7	.7	3.1	2.5	.0	.0
60/64	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2
TOTAL	9.4	3.7	3.2	7.1	6.9	11.3	22.2	27.6	.0	6.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEC F) BY HOUR

HOUR (GMT)	MAX	998	958	508	58	18	MIN	MEAN	TOTAL OBS
0000Z	94	89	87	77	71	67	67	78.0	172
0600Z	90	88	81	74	69	64	64	76.3	167
1201Z	92	89	79	73	68	66	66	73.6	173
1802Z	90	88	86	78	69	67	66	77.9	170
TOT	94	88	84	75	69	66	64	75.9	680

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	6.9	18.4	36.9	32.3	5.4	75	130		
0600Z	.0	1.3	7.4	25.0	60.4	20.5	82	151		
1201Z	.0	1.6	5.4	20.0	50.0	34.1	84	129		
1802Z	.0	3.4	14.7	30.5	26.5	12.0	77	117		
TOT	0	17	66	159	169	96	80	527		

PERIOD: (OVER-ALL) 1963-1979

TABLE 18 (CONT.)
PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHT (FT)

WGT	No						PCT	No						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4
1-2	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4
3-4	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4
5-6	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
8-9	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
10-11	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
12	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
13-16	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
17-19	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
20-22	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
23-25	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
26-32	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
33-40	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
41-48	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
49-60	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
61-70	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
71-86	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
87+	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
TOT PCT	1.4	1.4	.7	.7	.7	.7	7.0	2.2	2.2	2.2	.7	.7	.7	14.1

WGT	No						PCT	No						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	85.7
1-2	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
3-4	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
5-6	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
7	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
8-9	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
10-11	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
12	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
13-16	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
17-19	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
20-22	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
23-25	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
26-32	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
33-40	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
41-48	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
49-60	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
61-70	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
71-86	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
87+	.7	.7	.7	.7	.7	.7	1.4	.7	.7	.7	.7	.7	.7	1.4	
TOT PCT	.7	11.6	2.7	.7	.7	.7	20.9	2.9	10.9	10.4	.7	.7	.7	24.3	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

WGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OPS
<1	15.0	8.2	1.4	.0	.0	.0	25.3	146
1-2	5.5	33.6	10.3	.0	.0	.0	49.3	
3-4	2.7	7.5	5.5	.0	.0	.0	15.0	
5-6	.0	.7	5.5	.7	.0	.0	6.0	
7	.0	.7	2.1	.0	.0	.0	2.7	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-49	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	24.0	50.7	24.7	.7	.0	.0	100.0	

PERIOD: (OVER-ALL) 1950-1979

TABLE 19
PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SECS)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN WGT
<6	7.7	23.0	20.5	5.0	1.8	1.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	70.1	1
6-7	.0	5.0	7.3	6.6	1.6	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.4	4
8-9	.0	1.1	1.6	.5	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4
10-11	.0	.9	.2	.2	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4
12-13	.0	.0	.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4
>13	.0	.0	.0	1.1	.5	.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	7
34DEF	6.8	1.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1
TOTAL	64	137	159	60	22	12	2	0	3	0	0	0	0	0	0	0	0	0	0	434	1
PCT	14.6	31.2	31.7	13.7	5.6	2.7	.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1951-1979
(COVER-ALL) 1981-1979AREA 0004 HAZATLAN
22.5N 107.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WNT DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	HATA SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZD PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PAST HR	SHORE HAZE	SPRAY BLUG DUST	NO SIG WFA
N	.0	.0	.0	.0	.0	.0	.0	.0	3.6	4.8	.0	.0	.0	.0	91.7
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	5.0	.0	.0	.0	.0	5.0	5.0	.0	.0	.0	.0	.0	88.7
SE	.5	2.0	.0	.0	.0	.0	.0	2.5	.0	2.0	.0	.0	7.1	.0	88.4
S	.8	.0	.0	.0	.0	.0	.0	.8	.0	2.8	.0	.0	4.0	.0	89.8
SW	3.4	.0	.0	.0	.0	.0	.0	3.4	.0	3.4	1.1	.0	.0	.0	87.9
W	1.0	.7	.0	.0	.0	.0	.0	1.7	.7	.0	1.0	.0	.0	.0	90.0
NW	1.4	.0	.0	.0	.0	.0	.0	1.4	.4	5.4	.4	.0	.0	.0	90.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.3	.0	.0	.0	.0	.0	.0	2.3	.0	2.3	.0	.0	7.0	.0	88.4
TOT PCT	1.5	.3	.2	.0	.0	.0	.0	2.0	.7	2.4	.7	.0	3.7	.0	90.6
TOT OBS	597														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZD PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHORE HAZE	SPRAY BLUG DUST	SIG	NO SIG WFA
0000	.6	.0	.0	.0	.0	.0	.0	.6	.0	.6	.6	.0	5.1	.0	93.0	
0600	.6	.0	.0	.0	.0	.0	.0	.6	.6	7.7	1.3	.0	1.2	.0	86.5	
1200	.4	.7	.7	.0	.0	.0	.0	6.3	1.4	.7	.0	.0	2.0	.0	89.4	
1800	.0	.7	.0	.0	.0	.0	.0	.7	.7	.0	.7	.0	3.7	.0	90.1	
TOT PCT	1.5	.3	.2	.0	.0	.0	.0	2.0	.7	2.4	.7	.0	3.7	.0	90.7	
TOT OBS	591															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-32	33-47	48+				00	03	06	09	12	15	18	21
N	1.4	1.4	.4	.1	.0	.0		3.3	6.3	2.7	10.0	2.7	.0	4.4	.0	3.0	.0
NE	.4	1.7	.1	.0	.0	.0		2.4	5.3	2.7	.0	1.1	.0	1.7	.0	2.9	.0
E	1.2	1.7	.4	.0	.0	.0		3.3	8.5	2.2	.0	1.0	.0	5.1	.0	1.9	.0
SE	1.7	8.4	1.4	.1	.0	.0		8.6	7.7	4.0	.0	6.3	.0	11.9	5.3	11.9	17.5
S	2.4	8.4	4.0	.2	.0	.0		15.0	8.0	14.6	7.5	13.1	.0	18.0	26.1	15.0	37.5
SW	1.4	13.4	7.1	.4	.0	.0		22.5	8.9	25.0	27.5	22.0	18.9	17.0	42.1	21.1	.0
W	3.7	10.5	5.8	.4	.0	.0		24.4	8.4	29.6	35.0	23.1	33.3	19.5	18.0	24.3	.0
NW	2.4	4.0	3.2	.3	.1	.0		11.9	9.0	12.5	.0	18.0	27.8	7.0	10.5	8.5	25.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.4							7.9	.0	5.1	.0	7.5	.0	14.7	.0	7.4	.0
TOT OBS	141	758	153	7	1	0	880		7.5	190	10	100	9	181	19	175	4
TOT PCT	23.7	52.8	22.5	1.0	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3a

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-10	11-21	22-40				00	03	06	18
N	2.1	1.1	.0	.1	.0	3.3	6.3	3.1	2.5	3.9	3.7
NE	1.4	.6	.0	.0	.0	2.0	5.3	2.5	1.0	1.1	2.9
E	2.2	1.1	.0	.0	.0	3.3	8.5	2.1	2.0	6.1	3.0
SE	4.3	3.7	.4	.0	.0	8.4	7.7	6.4	5.9	11.1	12.4
S	7.7	7.8	.4	.0	.0	15.0	8.0	14.1	12.4	18.7	16.1
SW	7.9	13.6	1.1	.0	.0	22.5	8.9	25.0	27.7	20.0	20.4
W	11.4	11.1	1.0	.0	.0	24.4	8.4	31.1	33.7	19.1	27.0
NW	5.4	5.0	1.1	.2	.0	11.9	9.0	11.0	18.9	8.1	8.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.4					7.9	.0	.0	7.1	12.1	7.7
TOT OBS	141	758	153	7	1	880					
TOT PCT	23.7	52.8	22.5	1.0	.1	.0	100.0	100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1951-1979
(COVER-ALL) 1981-1979

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	4.8	11.9	48.2	33.3	1.8	.C	.C	8.9	100.0	169	
0400	7.1	13.0	56.8	20.7	1.8	.C	.C	7.9	100.0	169	
1200	12.5	16.9	52.5	18.1	.C	.C	.C	6.6	100.0	160	
1800	7.7	20.8	53.0	18.0	.5	.C	.C	6.8	100.0	183	
TOT	34	107	388	153	7	1	0	7.5		690	
PCT	7.9	15.7	52.6	22.5	1.0	.1	.C	100.0			

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 10	TOTAL	MEAN CLOUD COVER
N	2.7	.2	.4	.4	3.7	2.1
NE	1.5	.4	.7	.7	3.3	2.8
E	1.9	.4	1.9	.7	4.9	3.9
SE	4.8	1.5	2.3	.9	9.5	3.1
S	8.2	1.7	3.6	1.6	15.1	3.0
SW	12.0	3.9	3.7	1.9	23.5	2.7
W	11.2	5.1	5.5	1.9	33.7	3.0
NW	7.5	1.5	2.2	1.0	12.2	2.6
VAR	.0	.C	.C	.C	.0	.0
CALM	5.8	.8	1.2	.8	8.6	2.3
TOT OBS	74	27	106	41	248	2.8
TOT PCT	35.1	15.4	21.2	8.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, MM >4/P)
AND OCCURRENCE OF NH <5/P BY WIND DIRECTION

THE OCCURRENCE OF WIND DIRECTION											
000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/P	TOTAL
149	299	599	899	1399	1899	2399	2899	3399	3899	ANY HGT	OBS
.0	.0	.0	.0	.2	.4	.C	.0	.0	.0	3.1	
.0	.0	.0	.2	.2	.1	.0	.0	.0	.C	2.3	
.0	.0	.0	.2	.2	.5	.2	.0	.0	.2	2.9	
.0	.0	.1	.7	.2	.3	.0	.0	.C	.7	7.7	
.2	.0	.0	.2	2.2	.4	.9	.0	.2	.0	11.6	
.1	.2	.C	.1	2.2	1.0	.2	.2	.0	.0	17.1	
.0	.0	.6	1.0	2.0	.8	.5	.C	.2	.C	19.6	
.0	.0	.1	.9	.8	1.0	.1	.2	.C	.C	9.6	
.0	.0	.0	.0	.0	.C	.C	.0	.C	.C	.C	
.4	.C	.0	.2	.8	.2	.2	.0	.0	.C	6.6	
1	1	5	11	46	22	9	2	2	1	99	
.6	.2	1.0	2.2	9.2	6.4	1.8	.4	.4	.2	79.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/P) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>1/8	>0
> OR 16500	.6	.6	.6	.6	.6	.6	.6	.6
> OR 15000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
> OR 13500	2.2	2.8	2.8	2.8	2.8	2.8	2.8	2.8
> OR 12000	6.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2
> OR 10000	13.8	16.4	16.4	16.4	16.4	16.4	16.4	16.4
> OR 8000	15.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
> OR 6000	16.2	19.2	19.6	19.6	19.6	19.6	19.6	19.6
> OR 4000	16.2	19.4	19.8	19.8	19.8	19.8	19.8	19.8
> OR 2000	16.4	20.0	20.4	20.4	20.4	20.4	20.4	20.4
TOTAL	.2	1.0	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBS: 699 PCT FREQ NH <5/P: 79.6

TABLE 8

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

	1	2	3	4	5	6	7	8	9	10	TOTAL
	17.0	14.4	12.8	9.0	6.8	6.0	6.0	5.0	6.4	.4	92.7

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1881-1979

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS													584
TOT PCT		3.6	2.4	3.0	8.5	15.3	22.5	25.0	12.2	.0	7.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPO KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10+	0-3	1.4	.4	.4	1.4	2.1	1.2	2.9	1.4	.0	6.4	19.1	
	4-10	1.4	1.6	1.5	4.7	7.6	10.9	11.9	5.5	.0	45.2	86.2	
	11-21	.5	.2	.3	1.4	4.0	6.2	5.4	2.7	.0	20.9	38.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	3.3	2.2	2.6	7.5	13.6	18.4	20.2	10.3	.0	64.9	85.9	
TOT OBS													611
TOT PCT		3.4	2.4	3.2	8.4	15.6	22.0	25.2	11.8	.0	7.4	100.0	

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PERIOD: (PRIMARY) 1951-1970
(OVER-ALL) 1981-1970

TABLE 10

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PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 140	150 290	300 500	600 900	1000 1900	2000 3000	3500 4000	5000 6000	6500 7000	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.0	.7	1.5	.7	8.0	2.9	2.9	.0	.0	.0	16.8	83.2	137
06009	.0	.0	1.4	2.2	5.8	3.6	.7	1.4	.7	.0	15.9	84.1	138
12015	2.5	.0	.8	3.3	11.5	4.9	3.3	.0	.0	.0	27.0	73.0	122
18021	.0	.0	.0	2.5	11.0	5.9	.0	.0	.0	.0	20.3	79.7	118
TOT	3	1	5	11	46	22	9	2	2	1	102	913	515
PCT	.6	.2	1.0	2.1	8.9	4.3	1.7	.4	.4	.2	19.8	80.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.6	11.2	88.2	161
06009	.0	.0	.0	1.3	15.0	83.8	160
12015	.0	.0	.7	2.0	17.9	79.5	151
18021	.0	.0	.0	.7	7.0	92.3	143
TOT	0	0	1	7	79	528	615
PCT	.0	.0	.2	1.1	12.8	85.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.0	2.3	5.1	14.5	82.4	131
06009	.0	1.5	3.8	12.8	83.5	133
12015	2.5	3.3	7.5	20.8	71.7	120
18021	.0	.0	2.6	18.1	79.1	115
TOT	3	9	21	82	396	699
PCT	.6	1.8	4.2	16.4	79.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.7	.2	.0	.0	.2	3	.6
85/89	.0	.0	.0	.6	1.0	1.5	1.0	.4	22	4.6
80/84	.0	.0	.7	.6	4.2	4.0	8.1	2.7	119	24.8
75/79	.0	.0	.0	.4	2.9	15.4	13.2	7.3	100	20.7
70/74	.0	.0	.0	.2	1.0	7.9	10.7	5.2	118	24.6
65/69	.0	.0	.0	.0	.7	.6	3.1	2.1	29	6.1
TOTAL	0	0	1	10	46	165	171	86	479	100.0
PCT	.0	.0	.2	2.1	9.6	34.6	35.7	18.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALP
90/94	.0	.0	.2	.3	.2	.1	.0	.0	.0	.0
85/89	.2	.6	.2	.5	.5	1.1	.7	.6	.0	.0
80/84	1.9	.7	1.1	2.9	4.2	3.1	4.7	4.4	.0	1.9
75/79	1.5	.9	1.9	2.4	9.7	9.8	8.7	4.5	.0	0.0
70/74	.4	.3	.4	2.8	5.0	6.6	9.2	2.4	.0	1.7
65/69	.0	.2	.0	.5	.6	2.6	1.3	.9	.0	.0
TOTAL	4.0	2.7	3.7	9.3	16.1	23.2	20.6	12.8	.0	7.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	91	90	86	79	71	68	65	79.0	170
06009	88	87	82	76	67	66	66	75.0	170
12015	88	85	82	76	68	64	65	75.7	156
18021	91	90	87	80	70	67	66	79.2	170
TOT	91	90	86	79	69	66	65	77.5	676

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	2.4	16.8	81.6	12.0	7.2	71	125
06009	.0	.7	1.7	26.5	38.2	30.9	84	136
12015	.0	1.7	1.9	23.4	49.5	21.5	83	107
18021	.0	2.7	16.9	46.0	23.9	10.6	77	117
TOT	0	11	47	165	172	86	60	481

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1981-1979

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	NO FOG
20/22	.0	.0	.0	.0	.2	.0	.0	1	.0	.2
17/19	.0	.0	.0	.2	.2	.0	.0	2	.0	.4
16/16	.0	.0	.0	.0	.2	.0	.0	1	.0	.2
11/13	.0	.0	.0	.2	.7	.5	.0	8	.0	1.4
9/10	.0	.0	.2	.2	.5	.4	.5	10	.0	1.8
7/8	.0	.2	.4	1.2	.4	.2	.2	14	.0	2.5
6	.0	.0	.0	1.4	.0	.7	.2	13	.0	2.3
5	.0	.0	.7	.9	.7	.4	.2	16	.0	2.8
4	.0	.0	1.2	.9	.5	.7	.2	20	.0	3.5
3	.0	.4	.2	1.1	1.8	.4	.0	21	.0	3.7
2	.2	.2	.4	1.4	2.0	1.1	.0	10	.0	5.3
1	.0	.4	1.1	2.1	1.2	.4	.0	29	.2	5.0
0	.0	.4	2.5	2.0	3.2	.0	.0	48	.2	8.3
-1	.0	.4	1.2	3.2	1.4	.4	.0	38	.0	6.7
-2	.4	1.2	2.5	3.0	.4	.0	.0	85	.0	11.5
-3	.0	1.2	1.2	4.3	1.4	.2	.0	97	.2	8.2
-4	.7	2.0	2.8	4.6	.5	.0	.0	80	.2	10.5
-5	.7	2.1	2.8	3.5	.4	.0	.0	54	.0	9.4
-6	.2	2.0	1.2	1.1	.0	.0	.0	25	.0	4.4
-7/-8	.4	1.6	2.0	1.4	.2	.0	.0	11	.0	5.5
-9/-10	.9	2.5	.4	.2	.0	.0	.0	22	.0	3.9
-11/-13	.7	.4	.4	.0	.0	.0	.0	8	.0	1.4
-14/-16	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	23	87	119	186	29	7		564		56C
PCT	4.1	15.4	21.1	33.0	20.0	5.1	1.2	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.4	.4	.4	.0	.C	.0	2.1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.4	.0	.0	.C	.0	.4	.0	.8	.0	.0	.C	.0	.8
3-4	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	.0	.0	.0	.0
7	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.C	.0	.0	.0	.0	.C	.0	.C	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
17-19	.C	.C	.C	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.C	.C	.C	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.C	.C	.0	.0	.C	.0	.0	.0	.C	.0	.0	.0	.0	.0
26-32	.0	.0	.C	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.C	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.C	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
87+	.C	.C	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.4	1.4	.8	.0	.C	.0	2.7	.0	.8	.C	.0	.0	.0	1.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.0	.0	.C	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.4	.0	.C	.0	3.5	.0	2.1	.8	.C	.C	.0	2.9
3-4	.0	.C	.C	.0	.C	.0	.0	.0	.2	.0	.0	.C	.0	.2
5-6	.C	.C	.C	.0	.C	.0	.0	.0	.0	.C	.0	.C	.0	.0
7	.C	.C	.C	.0	.C	.0	.0	.0	.0	.C	.0	.0	.0	.0
8-9	.C	.C	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
10-11	.C	.C	.C	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
12	.C	.C	.C	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
13-16	.0	.C	.C	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.C	.C	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.C	.C	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
23-25	.C	.C	.C	.0	.C	.0	.0	.0	.0	.C	.0	.C	.0	.0
26-32	.C	.C	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
33-40	.C	.C	.0	.0	.C	.0	.C	.0	.C	.C	.C	.0	.0	.0
41-48	.C	.C	.0	.0	.C	.0	.0	.0	.C	.C	.C	.C	.0	.0
49-60	.0	.C	.C	.0	.C	.0	.0	.0	.0	.C	.C	.C	.0	.0
61-70	.C	.0	.C	.0	.C	.0	.0	.0	.C	.C	.C	.C	.0	.0
71-86	.C	.C	.0	.0	.C	.0	.C	.0	.C	.C	.C	.C	.0	.0
87+	.C	.C	.C	.0	.C	.0	.C	.0	.C	.C	.C	.C	.0	.0
TOT PCT	.0	1.9	.9	.0	.C	.0	3.4	.0	2.3	.8	.0	.C	.0	1.4

PERIOD: (OVER-ALL) 1963-1979

JUNE

AREA DEON HAZATLAN
22.5N 107.9E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	1.7
1-2	.0	2.7	.0	.0	.0	.0	3.5	1.2	12.6	3.1	.0	.0	.0	16.3
3-4	.0	.0	1.6	.0	.0	.0	1.9	.0	2.1	3.5	.0	.0	.0	5.6
5-6	.0	.0	1.2	.0	.0	.0	1.2	.0	.0	1.2	.0	.0	.0	1.9
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.9	4.1	.0	.0	.0	7.9	1.2	16.7	7.0	.0	.0	.0	25.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
1	1.4	1.4	.0	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0
1-2	1.9	11.2	2.3	.0	.0	.0	15.3	1.6	3.5	.0	.0	.0	.0	.0	5.9
3-4	.0	7.8	1.4	.0	.0	.0	9.9	.0	4.1	2.3	.0	.0	.0	.0	6.4
5-6	.0	.0	1.6	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	1.6
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.1	21.1	6.0	.0	.0	.0	31.2	1.9	7.8	5.9	.0	.0	.0	14.3	90.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
1	13.8	4.6	.0	.0	.0	.0	19.2	
1-2	5.4	36.6	8.5	.0	.0	.0	49.5	
3-4	.0	14.6	8.5	.0	.0	.0	23.9	
5-6	.0	.0	4.6	.0	.0	.0	4.6	
7	.0	.0	1.5	.0	.0	.0	1.5	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	20.0	55.4	23.8	.0	.0	.0	100.0	130

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
16	4.2	19.2	21.2	11.6	1.6	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24.4	
6-7	.0	1.1	6.9	9.1	2.0	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	
8-9	.0	.9	1.6	2.0	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	
10-11	.0	.9	.7	.2	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
12-13	.0	.0	.7	.7	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
14-15	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
TOTAL	6.9	1.1	2.9	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34.4	
PCT	11.1	23.2	33.0	23.8	4.1	2.0	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1952-1979
(COVER-ALL) 1993-1979AREA 0004 HAZATLAN
22.6N 100.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG SNOW	NO SIG WFA
N	7.2	.0	7.2	.0	.0	.0	.0	14.4	.0	7.2	.0	.0	.0	.0	78.4
NE	1.6	.0	1.6	.0	.0	.0	.0	3.2	6.5	6.1	.0	.0	.0	.0	82.3
E	9.0	.0	9.0	.0	.0	.0	.0	8.0	.0	.0	.0	.0	10.0	.0	82.0
SE	1.7	.0	1.7	.0	.0	.0	.0	3.4	3.4	1.7	.0	.0	.9	.0	90.6
S	1.2	.0	1.6	.0	.0	.0	.0	2.7	.0	3.1	.0	.0	.0	.0	94.2
SW	2.6	.0	2.0	.0	.0	.0	.0	4.6	.0	.5	.0	.0	4.1	2.0	88.8
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	.0	.0	.0	.0	95.1
NW	.0	.0	1.6	.0	.0	.0	.0	1.6	3.3	3.3	.0	.0	.0	.0	91.8
WDR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALL	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	.0	.0	.0	.0	93.9
TOT PCT	1.5	.0	1.7	.0	.0	.0	.0	3.2	1.2	3.4	.0	.0	1.2	.2	90.7
TOT OBS:	408														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG SNOW	NO SIG WFA
0000	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	2.8	.0	96.3
0600	2.9	.0	3.9	.0	.0	.0	.0	6.9	2.9	9.8	.0	.0	1.0	1.0	78.4
1200	2.1	.0	2.1	.0	.0	.0	.0	4.2	2.1	2.1	.0	.0	.0	.0	91.7
1800	.9	.0	.9	.0	.0	.0	.0	1.9	.0	.9	.0	.0	.9	.0	96.2
TOT PCT	1.5	.0	1.7	.0	.0	.0	.0	3.2	1.2	3.4	.0	.0	1.2	.2	90.8
TOT OBS:	411														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-1	4-10	11-21	22-31	30-47	48+					00	03	06	09	12	15	18	21
N	2.0	2.0	.8	.0	.0	.0		5.8	6.1	6.8	.0	5.0	.0	3.8	25.0	5.7	.0	
NE	1.0	2.4	.7	.0	.0	.0		4.1	8.9	1.5	7.1	.7	.0	4.6	.0	8.8	.0	
E	2.1	2.7	1.0	.7	.1	.0		6.1	7.6	5.6	7.1	3.1	.0	7.1	.0	8.4	.0	
SE	1.2	9.4	2.3	.7	.1	.0		15.2	7.6	10.7	14.3	17.4	.0	12.4	.0	19.3	31.3	
S	1.4	9.0	2.5	.9	.0	.0		15.2	7.4	19.4	.0	12.5	100.0	18.1	.0	14.5	.0	
SW	2.5	8.0	2.0	.1	.0	.0		12.6	7.3	15.5	19.6	13.6	.0	12.2	18.8	9.0	8.1	
W	2.0	13.4	6.1	.0	.0	.0		19.7	8.1	26.7	30.4	20.8	.0	15.8	90.0	14.8	61.7	
NW	1.2	7.3	3.0	.7	.0	.0		13.8	7.7	12.9	14.3	17.0	.0	17.6	6.3	9.8	16.7	
WDR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALL	7.4	.0	.0	.0	.0	.0		7.6	.0	1.0	7.1	9.8	.0	10.2	.0	9.7	.0	
TOT OBS:	131	267	80	1	0	0		484	7.0	103	14	117	1	98	8	144	1	
TOT PCT	49.1	55.2	16.5	1.0	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 4

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	09	12
N	3.1	2.1	.0	.0	.0	.0		5.4	6.1	6.0	5.5	5.4	5.6
NE	2.0	2.1	.0	.0	.0	.0		4.1	8.9	2.1	.2	6.2	8.6
E	1.0	2.8	.2	.0	.1	.1		4.1	7.6	4.8	1.1	6.8	8.1
SE	8.3	5.8	1.1	.0	.1	.1		15.2	7.6	11.1	17.3	11.8	19.4
S	7.7	6.9	.4	.0	.0	.0		15.2	7.4	17.1	15.3	16.7	14.2
SW	6.3	6.0	.3	.0	.0	.0		12.6	7.3	16.0	15.6	12.7	9.0
W	7.7	11.7	.3	.0	.0	.0		19.7	8.1	27.1	28.6	16.5	15.4
NW	7.0	6.1	.7	.0	.0	.0		13.8	7.7	13.0	16.8	16.7	10.0
WDR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALL	7.4	.0	.0	.0	.0	.0		7.6	.0	1.7	6.7	9.4	9.1
TOT OBS:	756	232	14	0	1	1		1000	7.0	117	113	106	148
TOT PCT	75.6	23.2	1.4	.0	.1	.1		100.0		11.7	11.3	10.6	14.8

APR 8 0004 MAZATLAN
22.64 100.00

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (MPH)					NO.	PER	PCT	TOTAL
		1-3	4-10	11-21	22-33	34-47					005
0000	1.7	21.0	59.0	17.1	.9	.0	.0	7.4	100.0	117
0045	9.7	13.3	59.9	21.2	.9	.0	.0	7.2	100.0	113
0145	9.4	20.0	52.0	19.0	.8	.0	.0	6.7	100.0	106
1000	9.3	21.1	54.1	12.2	2.6	.7	.0	6.0	100.0	100
TOT	37	96	267	80	5	1	0	7.0		484
PCT	7.0	19.0	55.2	16.5	1.0	.2	0	100.0		

PCY FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	D-2	3-4	5-7	8 & OBSC	TOTAL OBS	WIND CLOUD COVER
N	1.0	.8	2.7	1.0		5.5
NE	.4	.7	1.6	.7		5.1
E	1.1	1.0	2.2	1.4		5.0
SE	4.1	4.9	5.2	.6		3.6
S	4.9	3.2	4.0	1.9		3.9
SW	5.6	3.4	2.5	1.5		3.4
W	5.7	5.3	4.6	5.0		4.0
NW	4.7	3.0	5.3	1.9		3.9
VAR	0	0	0	0		1.0
CALM	3.6	.4	3.0	.6		4.0
TOT OBS	104	82	107	41	334	
TOT PCT	31.1	24.6	32.4	12.3	100.0	

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, IN) $\geq 4/0$
AND OCCURRENCE OF $W_h \leq 5/0$ BY WIND DIRECTION

WIND DIR	D-2	3-4	5-7	# OF DBSCC	TOTAL OBS	HFAN CLOUD COVER	000	150	300	600	1000	2000	3000	5000	6500	8000+	H+ (5/8 ACT HGT)	TOTAL OBS
							100	200	500	900	1900	2900	4900	6900	7900			
N	1.0	.0	2.7	1.0		5.3	.0	.0	.0	.5	.3	.8	.0	.0	.0	.0	.0	3.1
NE	.0	.7	1.6	.7		5.0	.0	.0	.0	.1	.3	.0	.1	.1	.0	.0	.0	2.6
E	1.1	1.0	2.2	1.4		5.1	.0	.2	.0	.6	.0	.0	.3	.2	.0	.0	.0	4.0
SE	4.1	4.9	5.2	.6		3.6	.0	.0	.0	.6	1.1	.6	.3	.3	.0	.0	.0	17.0
S	4.9	3.2	4.0	1.9		3.9	.0	.0	.2	.0	1.0	.4	.0	.3	.0	.0	.0	11.6
SW	5.6	3.4	2.5	1.5		3.4	.1	.0	.1	.0	.6	.0	.0	.1	.0	.0	.0	10.7
W	5.7	5.3	4.8	3.0		4.0	.2	.0	.0	.3	.8	1.0	.0	.3	.0	.0	.0	16.5
NW	4.7	3.6	5.1	1.8		3.9	.0	.3	.0	.0	1.1	.7	.3	.0	.0	.0	.0	11.4
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALN	4.6	.6	3.0	.6		3.4	.0	.0	.0	.3	.3	.4	.0	.0	.0	.0	.0	6.6
TOT OBS	104	87	107	41	334	40.0	1	3	1	15	24	17	6	5	0	2	26.0	334
TOT PCT	31.1	24.6	32.0	12.3	100.0		.3	.9	.3	4.5	7.2	5.1	1.8	1.5	.0	.6	77.8	100.0

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT INH 24/01 AND VSBY INH1

[illegible]

PCT FDIC NM 48/0 70.0

PERCENTAGE PER OF LOW CLOUDS 181600-183000Z

0	1	2	3	4	5	6	7	8	9	100%
19.7	19.2	16.7	14.0	8.0	6.5	4.0	3.7	2.0	1.0	30%

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1891-1979

JULY

AREA 0004 HAZATLAN
22.64 108.04

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

USBY (KPS)		N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	PCP	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02	
	NO PCP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	TOT B	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02	
1/2<1	PCP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	NO PCP	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.02	
	TOT B	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.02	
1<2	PCP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	NO PCP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	TOT B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
2<5	PCP	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02	
	NO PCP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	TOT B	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02	
5<10	PCP	.02	.01	.00	.00	.00	.02	.00	.02	.00	.00	.07	
	NO PCP	.07	.05	.02	1.00	.07	1.00	.08	.08	.00	.05	5.07	
	TOT B	.09	.06	.02	1.00	.07	1.02	.08	.10	.00	.05	5.14	
10+	PCP	.07	.01	.00	.05	.09	.07	.00	.00	.00	.00	2.00	
	NO PCP	6.22	7.01	5.00	12.09	14.02	10.05	10.05	14.03	.00	7.06	90.09	
	TOT B	6.29	7.02	5.00	12.14	14.11	10.12	10.05	14.03	.00	7.06	92.09	
TOT OBS													406
TOT PCT		6.00	7.00	6.00	14.00	14.00	12.00	10.00	15.00	.00	8.00	100.00	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

USBY (KPS)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	0-3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	4-10	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02	
	11-21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	22+	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	TOT B	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02	
1/2<1	0-3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	4-10	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.02	
	11-21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	22+	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	TOT B	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.02	
1<2	0-3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	4-10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	11-21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	22+	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	TOT B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
2<5	0-3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	4-10	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02	
	11-21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	22+	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	TOT B	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02	
5<10	0-3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	4-10	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.02	
	11-21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	22+	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	TOT B	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.02	
10+	0-3	1.00	.00	1.00	2.00	1.00	1.00	2.00	1.00	.00	1.00	70.00	
	4-10	2.00	2.00	2.00	7.00	6.00	7.00	12.00	7.00	.00	40.00	90.00	
	11-21	.00	.00	1.00	2.00	2.00	1.00	6.00	3.00	.00	15.00	15.00	
	22+	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	TOT B	3.00	2.00	4.00	11.00	10.00	11.00	21.00	11.00	.00	66.00	100.00	
TOT OBS													406
TOT PCT		6.00	7.00	6.00	14.00	14.00	12.00	10.00	15.00	.00	8.00	100.00	

JULY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1893-1979AREA 0004 HAZATLAN
22.6N 108.0E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM 1/8) AND
OCCURRENCE OF NM 1/8 BY HOUR

HOUR (GMT)	000 149	150 269	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM 1/8 ANY HGT	TOTAL OBS
0000	.0	1.1	.0	1.1	5.3	2.1	.0	.0	.0	1.1	10.6	89.4	94
0600	1.1	.0	1.1	7.0	6.7	10.0	1.1	2.2	.0	.0	30.0	70.0	90
1200	.0	2.5	.0	3.0	8.9	6.3	1.3	3.0	.0	.0	26.0	73.4	79
1800	.0	.0	.0	4.3	6.5	1.1	4.3	.0	.0	1.1	17.0	82.6	92
TOT	1	3	1	15	24	17	6	5	0	2	74	261	355
PCT	.3	.8	.3	4.2	6.8	4.8	1.7	1.4	.0	.6	20.8	79.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NMP) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000	.0	.0	.0	.0	2.0	97.2	100
0600	.0	.0	.0	1.0	11.3	85.0	106
1200	1.0	.0	.0	.0	11.3	87.6	97
1800	.0	.0	.0	.0	3.0	96.2	104
TOT	1	1	0	2	30	364	410
PCT	.2	.2	.0	.5	7.2	91.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NMP) AND/OR
CEILING HGT (FEET, NM 1/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 61	<1000 65	1000+ ANC 5+	NM 1/8 ANY HGT	TOTAL OBS
0000	.0	1.1	2.3	9.2	88.5	87
0600	1.1	2.3	11.4	20.5	68.2	84
1200	.0	6.0	6.7	21.3	72.0	74
1800	.0	.0	4.6	13.0	81.6	87
TOT	1	6	21	54	262	337
PCT	.3	1.8	6.2	16.0	77.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
50/90	.0	.0	.0	.0	.0	1.2	.0	.1	13	3.0
60/80	.0	.0	.0	.0	1.2	6.5	5.0	1.5	62	18.1
70/70	.0	.0	.0	.0	2.4	13.2	26.3	10.0	182	53.2
75/75	.0	.0	.0	.0	.3	2.0	9.4	9.8	76	22.2
79/79	.0	.0	.0	.0	.0	.0	1.2	1.5	9	2.6
TOTAL	0	0	0	2	24	60	144	61	342	100.0
PCT	.0	.0	.0	.6	7.9	24.7	67.7	21.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALC
43	.0	.3	.7	1.3	.4	.3	.3	.0	.3
140	1.2	.0	2.0	2.3	2.1	1.3	2.0	.0	14.9
240	1.9	4.7	7.0	6.5	7.0	6.7	7.3	.0	41.1
140	.4	1.7	1.7	1.0	1.4	5.6	7.0	.0	14.0
42	.3	.0	.0	.7	.4	1.0	.5	.0	3.0
641	3.4	7.1	14.7	14.0	14.0	18.0	14.0	.0	74.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MEAN	MIN	MAX	50	10	90	MEAN	TOTAL OBS
0000	67	61	68	67	71	74	74	114
0600	67	64	66	67	71	71	71	113
1200	66	67	64	66	71	72	71.6	107
1800	65	62	66	64	70	72	65.8	101
TOT	67	67	66	67	71	71	67.1	637

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	1.2	10.7	70.4	41.7	11.4	74	99		
0600	.0	.0	7.0	20.0	40.0	27.0	64	100		
1200	.0	.0	2.4	10.7	40.4	36.4	71			
1800	.0	1.2	5.4	35.7	34.4	19.0	61	84		
TOT	.0	.0	24	140	140	140	61	741		

JULY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1997-1979AREA CODE HAZATLAN
12.6N 106.0E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	TOT	n FOG	n0 FOG
19/16	.0	.0	.0	.3	.0	.3	2	.0	.5
11/13	.0	.0	.0	.3	.3	.3	3	.0	.0
9/10	.0	.0	.3	.5	.0	.5	6	.0	1.0
7/8	.0	.0	.3	1.3	1.0	1.3	15	.0	1.9
6	.0	.0	.0	.5	.3	.0	6	.0	1.0
5	.0	.0	.5	.0	1.3	.0	10	.0	2.0
4	.0	.0	.5	1.3	1.0	.3	12	.0	1.1
3	.0	.0	1.0	.5	.0	.5	11	.0	2.9
2	.0	.0	1.0	2.1	1.3	.3	10	.0	6.7
1	.0	1.0	1.0	3.1	2.9	.0	36	.0	8.9
0	.0	.3	1.0	6.7	2.0	.3	37	.0	9.7
-1	.0	.3	.5	5.0	1.0	.0	31	.0	0.1
-2	.0	.0	3.7	6.0	2.0	.0	52	.0	15.6
-3	.0	.0	2.9	7.3	1.3	.0	67	.0	12.3
-4	.3	.0	2.0	5.5	.0	.0	35	.0	0.2
-5	.3	1.0	2.1	0.5	.0	.0	30	.0	7.9
-6	.0	.5	2.0	.3	.3	.0	13	.0	3.0
-7/-8	.5	.5	1.0	.3	.0	.0	12	.0	3.1
-9/-10	.0	1.0	.5	.0	.0	.0	6	.0	1.0
-11/-13	.0	.3	.3	.0	.0	.0	2	.0	.5
TOTAL	5	20	91	176	65	17	302	0	102
PCT	1.3	7.3	23.0	46.1	17.0	0.5	100.0		100.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
01	.0	.0	.0	.0	.0	.0	.0	01	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.0	.0	.0	.0	.0	1.0	1-2	1.1	1.1	.7	.0	.0	.0	2.9
3-4	.0	.0	.0	.0	.0	.0	.0	3-4	.0	.0	1.1	.0	.0	.0	1.1
5-6	.0	1.9	2.2	.0	.0	.0	0.1	5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	1.1	.0	.0	.0	1.1	7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	41-48	.0	.0	.0	.0	.0	.0	.0
49-62	.0	.0	.0	.0	.0	.0	.0	49-62	.0	.0	.0	.0	.0	.0	.0
63-70	.0	.0	.0	.0	.0	.0	.0	63-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.5	1.9	.0	.0	.0	0.0	TOT PCT	1.1	1.1	1.0	.0	.0	.0	3.5

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
01	1.1	.0	.0	.0	.0	.0	1.1	01	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.2	2.9	.0	.0	.0	0.9	1-2	2.0	0.3	1.0	.0	.0	.0	0.2
3-4	.0	.0	.0	.0	.0	.0	.0	3-4	.0	.0	2.2	.0	.0	.0	2.2
5-6	.0	.0	.0	.0	.0	.0	.0	5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	8-9	.0	.0	.0	1.1	.0	.0	1.1
10-11	.0	.0	.0	.0	.0	.0	.0	10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	41-48	.0	.0	.0	.0	.0	.0	.0
49-62	.0	.0	.0	.0	.0	.0	.0	49-62	.0	.0	.0	.0	.0	.0	.0
63-70	.0	.0	.0	.0	.0	.0	.0	63-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	2.2	2.9	.0	.0	.0	0.0	TOT PCT	2.0	0.3	1.0	1.1	.0	.0	11.0

PERIOD: (OVER-ALL) 1963-1979

JULY
TABLE 18 (CONT)

AREA OCCN MAZATLAN
22.6N 108.0W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S								SW							
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	1.9	.0	.0	.0	.0	.0	1.9		.3	.0	.0	.0	.0	.0	.3	
1-2	.0	5.2	1.1	.0	.0	.0	7.1		1.1	4.1	1.4	.0	.0	.0	6.5	
3-4	.0	.0	.0	1.1	.0	.0	2.7		1.1	4.1	1.4	.0	.0	.0	6.5	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	1.1	.0	.0	.0	1.1	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.7	6.0	1.9	1.1	.0	.0	11.7		2.4	8.2	3.8	.0	.0	.0	14.4	

HGT	S								SW								TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.0	1.1	.0	.0	.0	.0	1.1		1.1	.0	.0	.0	.0	.0	.0	1.1	
1-2	.0	11.1	2.7	.0	.0	.0	13.9		.0	3.0	.3	.0	.0	.0	.0	3.3	
3-4	.0	3.8	2.7	.0	.0	.0	6.5		.0	1.1	3.8	1.1	.0	.0	.0	6.0	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.3	2.4	.0	.0	.0	.0	2.7	
7	.0	.0	.0	.0	.0	.0	.0		.0	1.1	1.1	.0	.0	.0	.0	2.2	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	16.0	6.3	.0	.0	.0	22.3		1.1	5.4	7.6	1.1	.0	.0	15.2	91.3	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	12.0	1.1	.0	.0	.0	.0	13.0	
1-2	6.5	32.6	9.8	.0	.0	.0	48.9	
3-4	1.1	9.8	12.0	2.2	.0	.0	25.0	
5-6	.0	2.2	6.5	.0	.0	.0	8.7	
7	.0	1.1	2.2	.0	.0	.0	3.3	
8-9	.0	.0	.0	1.1	.0	.0	1.1	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	19.6	66.7	70.4	3.3	.0	.0	100.0	92

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	DETAILED
(SEC)																					
<6	5.5	24.7	17.2	5.2	1.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	171	5
6-7	.3	2.9	5.8	4.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	4
8-9	.3	1.6	1.0	1.9	1.3	.3	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	5
10-11	.0	1.9	.3	1.3	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	4
12-13	.0	.0	.0	1.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	7
13	.0	.0	.0	.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
INDEX	6.5	4.2	1.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	1
TOTAL	39	109	81	46	21	4	5	2	1	0	0	0	0	0	0	0	0	0	0	109	4
PCT	12.7	35.4	26.3	14.9	6.8	1.3	1.6	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1961-1979
(OVER-ALL) 1982-1979

AUGUST

AREA 0004 HAZATLAN
22.6N 108.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN SHHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT 00 TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	BLDG BLWG	SPRAY DUST	NO SIG WEAT
N	3.0	.0	.0	.0	.0	.0	3.0	.0	12.6	3.0	.0	3.0	.0	.0	78.5
NE	.0	.0	0.2	.0	.0	.0	8.2	4.1	4.1	.0	.0	.0	.0	.0	83.7
E	7.0	.0	3.1	.0	.0	.0	10.9	7.0	8.5	.0	.0	.0	.0	.0	72.9
SE	4.6	3.0	2.6	.0	.0	.0	10.2	4.3	3.0	.0	.0	1.3	.0	.0	81.2
S	3.5	1.3	1.8	.0	.0	.0	4.8	1.3	11.5	.0	.0	.0	.0	.0	82.4
SW	4.7	.0	.0	.0	.0	.0	4.7	.0	15.8	.0	.0	.5	.0	.0	81.9
W	.0	.0	1.2	.0	.0	.0	1.8	.0	10.8	.0	.0	.9	.0	.0	87.1
NW	.0	.0	.0	.0	.0	.0	.0	1.6	13.2	.0	.0	.0	.0	.0	85.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	6.3	.0	.0	3.1	.0	.0	90.6
TOT PCT	2.7	.7	1.4	.0	.0	.0	4.5	1.8	10.0	.2	.0	.9	.0	.0	83.0
TOT OBS	442														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN SHHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT 00 TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	BLDG BLWG	SPRAY DUST	NO SIG WEAT
00003	.9	.0	1.0	.0	.0	.0	1.8	.9	4.4	.0	.0	.9	.0	.0	92.1
08009	1.7	.9	.0	.0	.0	.0	2.6	.0	18.3	.0	.0	.9	.0	.0	78.3
12015	4.5	.9	2.7	.0	.0	.0	8.0	3.6	17.9	.0	.0	.9	.0	.0	71.4
18021	3.5	.9	.9	.0	.0	.0	5.3	2.8	.9	.9	.0	.9	.0	.0	89.5
TOT PCT	2.6	.7	1.3	.0	.0	.0	4.4	1.8	10.3	.2	.0	.9	.0	.0	82.9
TOT OBS	455														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-32	34-47	48+	00				03	06	09	12	15	18	21	
N	2.4	4.5	.8	.0	.0	.0		7.6	5.9	4.8	.0	9.0	.0	4.2	.0	11.5	.0	
NE	.7	2.2	.2	.0	.0	.0		3.1	6.1	1.0	.0	2.0	.0	2.8	3.1	5.5	.0	
E	1.5	5.1	1.1	.1	.0	.0		7.8	7.3	3.4	14.3	4.5	15.0	11.9	9.4	9.7	.0	
SE	3.1	10.1	3.6	.5	.0	.0		17.4	8.4	7.9	28.6	12.2	25.0	18.9	50.0	22.7	50.0	
S	2.0	8.2	3.3	1.1	.2	.0		13.8	6.7	20.4	.0	9.0	.0	15.1	.0	14.5	37.5	
SW	2.6	7.7	2.5	.0	.0	.0		12.8	7.4	14.4	14.3	16.4	20.0	8.6	25.0	11.0	17.5	
W	3.8	11.8	1.1	.0	.0	.0		16.0	6.5	25.2	21.4	14.6	40.0	16.2	12.5	11.0	.0	
NW	2.2	8.5	2.8	.0	.0	.0		13.5	7.7	19.0	7.1	18.7	.0	12.6	.0	8.9	.0	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	7.1							7.1	.0	3.8	14.3	13.5	.0	9.3	.0	4.0	.0	
TOT OBS	132	303	80	4	1	0	520		7.0		104	7	113	5	107	8	176	2
TOT PCT	25.4	58.3	15.4	.8	.2	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	09	12
N	4.9	2.8	.0	.0	.0		7.6	5.9	4.5	8.6	3.9	11.4	
NE	2.1	1.0	.0	.0	.0		3.1	6.1	.9	1.9	2.8	5.5	
E	4.3	3.1	.4	.0	.0		7.8	7.3	4.1	5.0	11.7	9.6	
SE	7.9	7.9	1.5	.0	.0		17.4	8.4	9.2	12.7	21.1	23.0	
S	6.5	6.0	1.1	.0	.2		13.8	6.7	19.1	8.6	12.4	14.7	
SW	6.2	6.0	.7	.0	.0		12.8	7.4	14.4	14.6	9.6	11.0	
W	8.0	7.6	.3	.0	.0		16.0	6.5	25.0	15.7	17.8	11.7	
NW	6.0	7.3	.2	.0	.0		13.5	7.7	18.2	17.9	11.7	8.6	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	7.1						7.1	.0	4.5	12.9	8.7	3.9	
TOT OBS	280	217	22	0	1	520		7.0	111	116	115	178	
TOT PCT	53.8	41.7	4.2	.0	.2		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1882-1979

AUGUST

AREA 0004 PAZATLAN
22.6N 106.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00403	4.5	11.7	63.1	19.8	.9	.0	.0	7.9	100.0	111
06409	12.9	18.1	54.3	13.8	.9	.0	.0	6.3	100.0	116
12415	8.7	20.0	57.4	13.9	.0	.0	.0	6.6	100.0	115
18421	3.9	21.3	58.4	14.6	1.1	.6	.0	7.1	100.0	118
TOT	37	95	303	80	4	1	0	7.0		520
PCT	7.1	18.3	58.3	15.4	.8	.2	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL OBS	MEAN CLOUD COVER
N	4.1	2.0	1.7	1.7		3.6
NE	.1	.7	1.9	.1		5.2
E	.0	1.6	2.9	2.1		5.6
SE	4.4	3.7	5.9	3.0		4.5
S	2.4	2.4	5.6	1.4		4.5
SW	3.5	3.3	3.6	.6		3.6
W	5.5	5.8	5.6	.5		3.6
NW	5.4	3.4	4.1	2.0		3.7
VAR	.0	.0	.0	.0		.0
CALM	5.3	1.1	1.7	.3		2.3
TOT OBS	115	87	117	42	361	4.0
TOT PCT	31.9	24.1	32.4	11.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/P)
AND OCCURRENCE OF NM <5/P BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NM <5/P	TOTAL
	149	299	599	999	1999	3999	5999	7999			ANY HGT	OBS
N	.0	.0	.0	.3	.3	.3	.6	.0	.0	.0	7.5	
NE	.0	.0	.3	.1	.1	.1	.0	.0	.0	.0	2.3	
E	.0	.0	.0	.6	1.9	.7	.2	.0	.0	.0	3.7	
SE	.3	.7	.6	2.4	2.1	.0	.1	.0	.0	.0	11.4	
S	.3	.0	.3	.5	2.0	.3	.0	.0	.0	.0	6.9	
SW	.0	.0	.0	.9	.3	.0	.3	.0	.0	.0	9.5	
W	.0	.0	.0	.5	1.6	1.1	.2	.0	.0	.0	14.1	
NW	.0	.3	.3	.9	1.7	.0	.9	.0	.0	.0	10.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	8.0	
TOT OBS	2	2	5	22	37	9	8	0	0	1	275	361
TOT PCT	.6	.6	1.4	6.1	10.2	2.5	2.2	.0	.0	.3	76.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/P) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.3	.3	.3	.3	.3	.3	.3	.3
= OR >5000	.3	.3	.3	.3	.3	.3	.3	.3
= OR >3500	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
= OR >2000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
= OR >1000	12.7	15.2	15.2	15.2	15.2	15.2	15.2	15.2
= OR >600	17.5	21.3	21.3	21.3	21.3	21.3	21.3	21.3
= OR >300	18.8	22.7	22.7	22.7	22.7	22.7	22.7	22.7
= OR >150	19.4	23.3	23.3	23.3	23.3	23.3	23.3	23.3
= OR >0	19.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8
TOTAL	71	86	86	86	86	86	86	86

TOTAL NUMBER OF OBS: 361

PCT FREQ NM <5/P: 76.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
14.9	15.9	21.6	15.7	8.0	4.4	7.7	4.9	6.4	.5	389

AUGUST

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1982-1979AREA 8004 HAZATLAN
22.64 108.04

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSDBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT &	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT &	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT &	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
2<5	PCP	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	
	TOT &	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.4	
5<10	PCP	.0	.0	.2	1.2	.5	.6	.1	.0	.0	.0	2.5	
	NO PCP	.9	.5	.6	1.9	1.0	2.2	1.1	.7	.0	.0	8.9	
	TOT &	.9	.5	.8	3.1	1.5	2.7	1.2	.7	.0	.0	11.4	
10+	PCP	.2	.2	.4	.5	.0	.0	.7	.0	.0	.0	1.6	
	NO PCP	6.2	2.1	9.9	13.4	10.9	9.3	17.1	14.0	.0	7.3	86.3	
	TOT &	6.5	2.3	10.3	14.0	10.9	9.3	17.8	14.0	.0	7.3	87.9	
TOT OBS													437
TOT PCT													7.4 2.7 7.4 17.1 17.0 12.3 10.6 14.6 .0 7.3 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSDBY (NM)	SPO KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS	
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT &	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT &	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	11-21	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT &	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2		
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	11-21	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.4		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT &	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.4		
5<10	0-3	.4	.0	.0	.4	.0	.7	.2	.0	.0	.0	1.8		
	4-10	.4	.4	.4	1.0	.6	2.1	1.1	.4	.0	.0	7.0		
	11-21	.0	.0	.2	1.3	.9	.0	.0	.2	.0	.0	2.7		
	22+	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	.4		
	TOT &	.9	.4	1.0	3.0	1.7	2.8	1.3	.7	.0	.0	11.9		
10+	0-3	1.5	.3	1.6	2.2	1.4	1.1	4.1	2.1	.0	7.4	21.7		
	4-10	4.0	1.8	3.9	9.8	7.3	5.5	12.0	8.7	.0		53.1		
	11-21	.9	.3	.6	1.6	1.9	2.7	1.3	2.9	.0		12.1		
	22+	.0	.0	.2	.3	.0	.0	.0	.0	.0		.4		
	TOT &	6.4	2.4	6.2	13.9	10.7	9.4	17.4	13.7	.0	7.4	87.4		
TOT OBS														446
TOT PCT														7.3 2.4 7.6 17.0 12.7 12.2 10.8 14.3 .0 7.4 100.0

AUGUST

PERIOD: (PPHARY) 1951-1979
(OVER-ALL) 1982-1979

AREA 0004 PAZATLAN
22.6N 108.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 BY HGT	TOTAL OBS
00003	.0	.0	2.1	5.3	9.6	3.2	1.1	.0	.0	.0	21.3	78.7	94
06009	.0	.0	1.1	6.3	7.4	1.1	2.1	.0	.0	.0	17.9	82.1	95
12015	1.1	.0	1.1	6.5	17.2	2.2	3.2	.0	.0	1.1	32.3	67.7	93
18021	1.0	2.0	1.0	5.0	5.0	3.0	2.0	.0	.0	.0	19.0	81.0	100
TOT	2	2	5	22	37	9	8	0	0	1	96	296	382
PCT	.5	.5	1.3	5.8	9.7	2.4	2.1	.0	.0	.3	22.5	77.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	13.2	86.8	114
06009	.0	.0	.0	.9	11.4	87.7	114
12015	.0	.0	.9	.9	19.0	79.3	116
18021	.0	.0	.0	.0	7.0	93.0	115
TOT	0	0	1	2	59	398	459
PCT	.0	.0	.2	.4	12.6	86.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.0	2.3	8.0	14.9	77.0	87
06009	.0	1.1	8.0	11.4	80.7	88
12015	1.1	2.3	10.2	25.0	64.8	88
18021	1.0	4.1	9.2	10.2	80.6	94
TOT	2	9	32	55	274	381
PCT	.5	2.5	8.9	15.2	75.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.8	.0	.0	.0	3	.8
90/94	.0	.0	.0	.3	1.6	1.3	.8	.3	16	4.2
85/89	.0	.0	.0	.3	3.2	14.3	10.3	1.9	113	29.9
80/84	.0	.0	.0	1.3	18.5	31.0	5.6	213	56.3	
75/79	.0	.0	.0	.0	1.6	3.7	2.9	31	8.2	
70/74	.0	.0	.0	.0	.0	.0	.5	.0	2	.5
TOTAL	0	0	0	2	24	135	175	40	378	100.0
PCT	.0	.0	.0	.5	6.9	35.7	46.3	10.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALP
95	.5	.0	.0	.3	.0	.0	.0	.0	.0	.0
90	.5	.0	.0	.7	1.1	.3	.8	.8	.0	.0
85	2.8	1.0	1.5	5.1	3.4	3.9	5.9	4.2	.0	2.1
80	3.8	1.3	5.5	10.5	6.3	6.3	9.7	8.1	.0	4.8
75	.5	.9	.7	1.1	1.1	.8	1.3	1.1	.0	.8
70	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0
TOT	6.2	3.1	7.7	18.2	12.0	11.4	17.7	14.1	.0	7.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	96	95	91	85	80	75	75	85.5	117
06009	87	86	86	83	79	77	76	82.8	118
12015	90	88	86	82	77	73	73	81.8	117
18021	95	92	91	85	80	77	76	85.4	177
TOT	96	92	90	84	79	76	73	84.0	529

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.1	13.0	41.3	34.8	9.8	78	92		92
06009	.0	.0	4.1	38.8	50.0	7.1	80	98		98
12015	.0	.0	1.0	19.6	61.9	17.5	84	97		97
18021	.0	1.0	4.0	44.0	39.0	7.0	79	100		100
TOT	0	2	24	139	180	40	80	387		387

AUGUST

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1982-1979AREA CODE: HAZATLAN
22.64 100.00

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT FOG	N FOG	NO FOG
14/16	.0	.0	.0	.2	.0	2	.0	.5
11/13	.0	.0	.0	.5	.0	4	.0	.9
9/10	.0	.0	.0	.7	.0	3	.0	.7
7/8	.0	.0	.0	.5	.9	2	.0	1.4
6	.0	.0	.5	.5	.2	6	.0	1.4
5	.0	.2	.0	.0	.2	2	.0	.5
4	.0	.2	.5	.7	.2	11	.0	2.6
3	.0	.0	1.4	1.9	.5	16	.0	3.7
2	.0	.2	1.9	3.9	1.4	32	.0	7.4
1	.0	.5	1.2	2.6	1.2	23	.2	5.1
0	.2	.5	4.9	7.0	.5	56	.0	13.0
-1	.2	1.2	6.5	8.9	.0	55	.0	12.4
-2	.0	1.4	8.8	2.1	.0	53	.0	12.3
-3	.0	.7	6.7	1.4	.0	38	.0	8.8
-4	.2	1.9	7.0	1.9	.0	47	.0	10.9
-5	.0	2.3	5.6	.9	.0	37	.0	8.8
-6	.0	1.6	1.9	.2	.0	16	.0	3.7
-7/-8	.2	2.8	1.2	.0	.0	19	.0	4.2
-9/-10	.0	.2	.7	.0	.0	4	.0	.9
TOTAL	6	59	209	128	76	431	1	430
PCT	.9	13.7	48.5	29.7	5.8	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

MGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.0	.0	.0	.0	.0	2.0	.0	2.2	1.4	.0	.0	.0	3.7
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.0	1.1	.0	.0	.0	3.1	.0	2.2	1.4	.0	.0	.0	3.7

MGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	3.1	1.1	.0	.0	.0	.0	4.2	.3	1.1	.0	.0	.0	.0	1.4
1-2	.0	2.0	.0	.0	.0	.0	3.7	2.5	7.0	1.4	.0	.0	.0	11.0
3-4	.0	.0	1.1	.0	.0	.0	1.1	.0	6.7	1.1	.0	.0	.0	7.9
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.0	3.9	2.8	.0	.0	.0	10.7	2.8	16.3	2.8	.0	.0	.0	21.9

PERIOD: (OVER-ALL) 1963-1979

AUGUST

AREA 0004 HAZATLAN
22.6N 108.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	2.0
1-2	2.0	1.9	2.0	.0	.0	.0	7.9	.3	1.7	.0	.0	.0	.0	2.0
3-4	.0	2.2	.0	.0	.0	.0	2.2	.0	2.2	.0	.0	.0	.0	2.2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1
7	.0	.0	2.2	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.0	7.0	5.3	.0	1.1	.0	15.4	.3	7.9	.0	.0	.0	.0	8.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	3.1	.0	.0	.0	.0	3.1	.0	1.1	.0	.0	.0	.0	1.1	
1-2	2.0	7.3	.0	.0	.0	.0	10.1	1.7	3.1	1.1	.0	.0	.0	5.9	
3-4	.0	4.5	2.0	.0	.0	.0	6.5	.0	2.2	1.4	.0	.0	.0	3.9	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.0	15.7	2.0	.0	.0	.0	20.5	1.7	6.7	2.5	.0	.0	.0	11.0	94.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	0.0	0.9	.0	.0	.0	.0	10.7	005
1-2	11.0	20.7	6.6	.0	.0	.0	47.3	
3-4	.0	17.6	5.5	.0	.0	.0	23.1	
5-6	.0	2.2	2.2	.0	.0	.0	4.4	
7	.0	.0	.0	.0	.0	.0	1.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	1.1	.0	1.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	19.0	61.5	17.6	.0	1.1	.0	100.0	91

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT	
<6	8.5	31.3	10.3	4.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	194	2
6-7	.3	1.4	6.3	2.6	2.6	1.7	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	62	5
8-9	.3	.6	2.0	1.7	.9	1.1	.6	.0	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	6
10-11	.0	.6	.9	.9	.3	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	6
12-13	.0	.0	2.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	3
>13	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	6	8
INDET	6.8	2.0	1.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	1
TOTAL	56	133	82	38	18	12	4	2	4	1	0	1	0	0	0	0	0	0	0	0	351	3
PCT	16.0	37.9	23.4	10.8	5.1	3.4	1.1	.6	1.1	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1980-1979AREA 0004 HAZATLAN
27.54 107.84

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHUR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	BLUS DUST	SPRAY	NO SIG
N	9.5	.0	6.9	.0	.0	.0	.0	12.4	.0	5.2	.0	.0	.0	.0	.0	81.9
NE	11.4	.0	.0	.0	.0	.0	.0	11.4	.0	10.2	.0	.0	.0	.0	.0	70.5
E	17.5	5.8	3.3	.0	.0	.0	.0	26.7	8.3	.0	.0	.0	.0	.0	.0	58.3
SE	4.3	1.6	.7	.0	.0	.0	.0	6.6	2.3	11.2	.0	.0	.0	.0	.0	75.3
S	4.0	.0	3.0	.0	.0	.0	.0	7.6	4.5	12.6	.0	.0	.0	.0	.0	70.0
SW	2.5	.0	.0	.0	.0	.0	.0	2.5	3.1	6.3	2.5	.0	.0	.0	.0	79.9
W	.0	1.5	1.1	.0	.0	.0	.0	2.6	1.1	7.7	.0	.0	.0	.0	.0	86.1
NW	1.2	.0	.3	.0	.0	.0	.0	1.5	.0	6.0	.0	.0	.0	.0	.0	91.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	.0	.0	.0	.0	.0	88.2
TOT PCT	4.2	.8	1.5	.0	.0	.0	.0	6.3	2.1	8.7	.2	.0	2.5	.0	.0	80.5
TOT OBS:	475															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUS DUST	NO SIG	
														BLUS SHOW	WFA	
0000	.0	.9	.0	.0	.0	.0	.0	.0	2.7	.9	.0	.0	2.7	.0	92.9	
0600	5.7	1.6	1.6	.0	.0	.0	.0	8.9	1.6	17.9	.0	.0	3.3	.0	69.1	
1200	8.9	.9	2.7	.0	.0	.0	.0	11.6	2.7	16.1	.9	.0	.9	.0	68.8	
1800	2.3	.0	1.5	.0	.0	.0	.0	3.8	1.5	.8	.0	.0	3.0	.0	90.9	
TOT PCT	4.2	.8	1.5	.0	.0	.0	.0	6.3	2.1	8.8	.2	.0	2.5	.0	80.6	
TOT OBS:	479															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)									
	0-3	4-10	11-21	22-31	34-47	48+					00	03	06	09	12	15	18	21		
N	1.9	3.6	.3	.7	.0	.1		6.2	7.4	3.0	.0	3.5	.0	9.8	.0	8.4	.0			
NE	.1	1.9	.3	.2	.0	.0		2.5	9.5	.2	.0	.2	14.3	3.3	.0	4.4	.0			
E	1.1	3.2	1.0	.4	.4	.1		6.5	15.0	4.6	.0	2.9	17.9	6.3	14.3	9.0	20.0			
SE	1.9	7.3	2.7	1.6	.0	.2		14.5	12.6	14.8	60.0	15.2	19.3	12.3	.0	12.6	15.0			
S	3.1	7.0	4.7	1.8	.1	.0		17.6	10.5	17.6	18.0	21.7	28.6	12.9	21.4	16.8	45.0			
SW	2.0	5.2	2.5	.0	.0	.0		9.6	7.9	11.1	.0	7.0	.0	10.7	7.1	10.9	.0			
W	3.2	9.2	1.9	.0	.0	.0		14.3	6.6	24.8	10.0	15.2	.0	10.5	21.4	10.9	20.0			
NW	2.4	10.6	4.4	.0	.0	.0		17.9	8.6	18.1	10.0	21.3	.0	18.1	35.7	16.7	.0			
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CALM	10.8							10.8	.0	5.6	10.0	13.1	.0	16.1	.0	10.3	.0			
TOT OBS	155	285	105	24	8	3	585		8.5	108	10	122	7	112	7	214	5			
TOT PCT	26.5	48.7	17.9	5.0	1.4	.5		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40						00	03	06	09	12
N	3.7	2.1	.3	.0	.1		6.2	7.4	2.8	3.3	9.2	8.2		
NE	1.4	.7	.3	.0	.1		2.5	9.5	.2	1.0	3.2	4.3		
E	2.1	2.9	.8	.3	.4		6.5	15.0	4.2	3.7	6.7	9.2		
SE	9.9	5.4	1.5	2.1	.2		14.5	12.6	14.8	16.9	11.6	12.7		
S	7.3	6.5	1.2	.6	.0		17.6	10.5	17.2	22.1	13.4	17.6		
SW	4.7	4.5	.0	.0	.0		9.6	7.9	10.2	6.6	10.5	10.6		
W	8.2	5.8	.3	.0	.0		14.3	6.6	23.5	14.3	11.1	11.1		
NW	7.0	10.2	.6	.2	.0		17.9	8.6	17.4	20.2	19.1	16.3		
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		
CALM	10.8						10.8	.0	5.9	12.4	15.1	10.0		
TOT OBS	245	224	43	10	5	585		8.5	110	129	134	219		
TOT PCT	40.4	38.3	7.4	3.1	.9		100.0		100.0	100.0	100.0	100.0		

SEPTEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1902-1979AREA 0004 MAZATLAN
22.54 107.86

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+		
0000	5.9	13.6	39.2	18.6	5.9	1.7	.0	9.4	100.0
0600	12.4	11.6	48.1	19.4	6.2	2.3	.0	8.8	100.0
1200	15.1	16.8	49.6	12.6	3.4	1.7	.0	7.6	100.0
1800	10.0	18.7	45.7	19.6	4.6	.5	.9	8.3	100.0
TOT	63	92	285	105	29	8	3	8.5	585
PCT	10.8	15.7	48.7	17.9	5.0	1.4	.5	100.0	

TABLE 4

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	PEAN CLOUD COVER
N	1.0	2.2	1.6	1.7	4.5	4.5
NE	.5	.9	.9	.4	4.8	4.8
E	1.3	.4	2.4	1.9	5.4	5.4
SE	4.1	2.4	5.1	4.2	4.8	4.8
S	5.8	2.9	4.7	4.7	4.5	4.5
SW	3.5	1.6	2.9	.0	3.8	3.8
W	6.3	2.9	3.5	1.7	3.3	3.3
NW	6.9	5.4	4.2	.0	3.3	3.3
VAR	.0	.0	.0	.0	.0	.0
CALM	5.8	2.2	3.2	.5	3.0	3.0
TOT OBS	145	84	117	66	412	412
TOT PCT	35.2	20.4	28.4	16.0	100.0	

TABLE 4

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, MM >4/P)
AND OCCURRENCE OF NH <5/P BY WIND DIRECTION

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH ANY HGT	TOTAL OBS
N	.2	.0	.0	.7	.0	.0	.0	.2	.0	.0	4.1	4.1
NE	.0	.0	.2	.1	.2	.1	.0	.0	.0	.0	1.5	1.5
E	.0	.0	.0	1.3	.0	.5	.0	.2	.0	.0	4.0	4.0
SE	.5	.0	1.3	1.4	1.1	.5	.4	.2	.0	.0	10.4	10.4
S	.2	.2	.2	1.2	2.5	.9	.6	.0	.2	.0	17.0	17.0
SW	.2	.0	.3	.7	.2	.3	.5	.0	.0	.0	6.4	6.4
W	.0	.0	.4	.2	.6	.4	.4	.0	.2	.0	11.6	11.6
NW	.0	.0	.0	.8	1.3	.0	.5	.0	.0	.0	14.7	14.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	1.0	.7	.2	.0	.2	.0	9.5	9.5
TOT OBS	5	1	10	23	27	27	9	4	4	0	106	106
TOT PCT	1.2	.2	2.4	5.6	6.6	5.6	2.2	1.0	1.0	.0	74.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/P) AND VSBY (MP)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (MP)					= OR >5000	= OR >0
				= OR >1	= OR >1/2	= OR >1/4	= OR >5000	= OR >0		
= OR >6500	.5	.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
= OR >5000	1.2	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
= OR >3500	3.4	3.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
= OR >2000	6.0	6.0	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
= OR >1000	12.6	15.3	15.8	15.8	16.0	16.0	16.0	16.0	16.0	16.0
= OR >600	15.5	19.9	21.4	21.4	21.6	21.6	21.6	21.6	21.6	21.6
= OR >300	16.5	21.4	23.1	23.1	23.3	23.3	23.3	23.3	23.3	23.3
= OR >150	16.7	21.6	23.3	23.3	23.5	23.5	23.5	23.5	23.5	23.5
= OR >0	16.7	22.3	24.5	24.5	24.8	24.8	24.8	24.8	24.8	24.8
TOTAL	69	92	103	103	102	102	102	102	102	102

TOTAL NUMBER OF OBS: 412

PCT FREQ NH <5/P: 75.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
17.2	17.0	19.0	13.3	8.0	6.2	6.2	5.3	6.7	1.1	436

SEPTEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1880-1979

AREA 0004 PAZATLAN
22.5N 107.8W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.4	
	TOT %	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.4	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.2	.5	.2	.0	.0	.0	.0	.0	.9	
	NO PCP	.2	.3	.3	.8	.3	.2	.0	.1	.0	.2	2.4	
	TOT %	.2	.3	.5	1.3	.5	.2	.0	.1	.0	.2	3.2	
5<10	PCP	.2	.2	1.0	.2	.7	.2	.4	.3	.0	.0	3.2	
	NO PCP	.2	.0	.2	1.0	2.2	.9	.7	.7	.0	.6	6.4	
	TOT %	.4	.2	1.2	1.1	2.9	1.1	1.1	1.0	.0	.6	9.6	
10+	PCP	.6	.1	.5	.5	.5	.0	.0	.0	.0	.0	2.1	
	NO PCP	4.9	1.8	4.0	12.4	17.9	7.2	13.5	16.6	.0	10.0	84.4	
	TOT %	5.4	1.9	4.5	12.9	18.4	7.2	13.5	16.6	.0	10.0	86.5	
TOT OBS													468
TOT PCT		6.0	2.4	6.4	15.8	17.8	8.5	14.6	17.6	.0	10.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	4-10	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.4	
	11-21	.0	.0	.2	.4	.3	.0	.0	.0	.0	.0	.8	
	22+	.2	.1	.3	.9	.2	.0	.0	.1	.0	.2	1.7	
	TOT %	.2	.3	.5	1.3	.5	.2	.0	.1	.0	.2	3.2	
5<10	0-3	.0	.0	.2	.1	.2	.0	.0	.2	.0	.6	1.3	
	4-10	.2	.0	.2	.7	.9	.4	.6	.6	.0	.6	3.4	
	11-21	.0	.0	.4	.1	1.0	.7	.5	.3	.0	.2	2.9	
	22+	.2	.2	.4	.5	.8	.0	.0	.0	.0	.2	2.1	
	TOT %	.4	.2	1.2	1.3	2.9	1.1	1.1	.9	.0	.6	9.7	
10+	0-3	1.7	.1	.5	2.1	2.5	.9	2.7	2.0	.0	9.9	22.9	
	4-10	3.4	1.5	3.0	7.1	6.8	4.3	9.6	9.9	.0	15.6	65.6	
	11-21	.3	.2	.7	2.9	4.3	2.0	1.4	4.1	.0	16.0	16.0	
	22+	.0	.1	.6	.6	.8	.0	.0	.2	.0	.2	2.3	
	TOT %	5.4	1.9	4.8	12.8	14.4	7.3	13.7	16.3	.0	9.9	86.3	
TOT OBS													476
TOT PCT		5.9	2.4	6.6	15.8	17.8	8.6	14.8	17.5	.0	10.7	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1900-1979

AREA 0004 HAZATLAN
22.54 107.06

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 140	150 200	300 500	600 900	1000 1000	2000 3000	3500 4000	5000 6000	6500 7000	8000+	TOTAL	NM <5/8 P.Y. HGT	TOTAL OBS
00003	.0	.0	2.8	4.7	4.7	6.6	3.8	.0	.0	.0	22.6	77.4	106
06009	2.6	.9	3.7	3.7	6.3	4.6	.9	.9	.9	.0	26.9	73.1	100
12015	1.1	.0	2.1	7.4	5.3	8.4	.0	.0	1.1	.0	25.3	74.7	95
18021	.0	.0	.8	5.7	6.6	2.5	3.3	2.5	1.6	.0	23.8	76.2	122
TOT	5	1	10	23	27	23	9	4	4	0	106	325	431
PCT	1.2	.2	2.3	5.3	6.3	5.3	2.1	.9	.9	.0	24.6	75.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.0	.9	.9	.9	6.1	91.3	115
06009	.0	.0	.0	.0	15.6	83.6	122
12015	.0	.9	.0	5.4	16.1	77.7	112
18021	.0	.0	.0	6.0	1.5	92.5	133
TOT	1	2	1	15	46	417	482
PCT	.2	.4	.2	3.1	9.5	86.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM) <5/8 BY HOUR

HOUR (GMT)	<150 <5000	150-400 <1000	400-1000 <1000	1000+ NM <5/8 AND 5+	TOTAL OBS	
00003	.0	2.9	7.8	14.6	77.7	101
06009	3.0	6.5	10.9	16.9	72.3	101
12015	1.1	3.4	14.8	14.8	70.5	98
18021	.8	1.7	10.0	15.0	76.0	120
TOT	5	15	44	63	305	412
PCT	1.2	3.6	10.7	15.7	74.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/99	.0	.0	.0	.2	2.6	1.0	.2	.0	17	4.0
85/89	.0	.0	.0	.0	5.0	14.7	6.9	1.7	127	30.2
80/84	.0	.0	.0	.0	1.2	19.3	31.0	7.1	246	58.6
75/79	.0	.0	.0	.0	.0	1.2	1.7	3.6	27	6.4
70/74	.0	.0	.0	.0	.0	.0	.7	.5	3	.7
TOTAL	0	0	0	1	37	160	168	54	420	100.0
PCT	.0	.0	.0	.2	8.4	38.1	40.0	12.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALP
90/99	.7	.0	.4	.4	.7	.5	.0	1.0	.0	.2
85/89	1.9	1.0	1.8	3.6	5.2	3.3	4.3	5.3	.0	3.8
80/84	3.7	1.4	3.3	10.3	10.6	4.5	8.8	10.4	.0	5.7
75/79	.0	.1	1.3	1.0	1.5	.3	.8	.0	.0	.7
70/74	.0	.0	.7	.1	.0	.0	.0	.0	.0	.5
TOTAL	6.3	2.4	7.0	15.5	16.0	8.6	13.9	17.4	.0	11.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	92	91	90	85	79	77	75	84.5	119
06009	100	89	85	83	78	74	73	82.6	130
12015	89	86	85	82	78	75	74	81.7	120
18021	95	93	91	85	79	75	75	85.2	216
TOT	100	92	89	84	79	75	73	83.7	585

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	12.4	52.6	29.9	5.2	77	97		
06009	.0	.0	1.7	31.0	51.7	15.5	83	116		
12015	.0	.0	3.1	25.0	56.3	15.6	83	98		
18021	.0	.9	17.1	43.6	24.8	13.7	78	117		
TOT	0	1	37	162	172	54	80	426		

SEPTEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 188C-1979

AREA 0004 HAZATLAN
22.5N 107.8E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH-OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	NO FOG
17/19	.0	.0	.0	.0	.2	.0	1	.0	.2
16/16	.0	.0	.0	.5	.2	.0	3	.0	.7
15/13	.C	.0	.5	.5	.0	.C	4	.C	.9
9/10	.0	.0	.0	.0	.5	.0	2	.0	.5
7/6	.0	.0	.2	.5	.5	.2	6	.0	1.4
6	.0	.0	.0	.9	.7	.0	7	.0	1.6
5	.0	.0	.7	1.4	1.2	.0	14	.0	3.3
4	.0	.0	.0	1.6	1.6	.0	13	.0	3.1
3	.0	.7	1.6	1.4	.0	.C	16	.0	3.4
2	.0	.0	1.2	2.4	.7	.C	19	.0	4.5
1	.5	.0	1.2	5.4	.2	.0	31	.0	7.3
0	.2	.5	6.0	2.0	.2	.0	45	.0	10.6
-1	.0	.2	5.9	2.1	.0	.C	35	.0	8.2
-2	.5	.9	8.7	3.5	.0	.0	98	.0	13.6
-3	.C	1.4	6.1	2.6	.0	.C	43	.2	6.9
-4	.0	.9	8.7	1.6	.0	.C	49	.0	11.3
-5	.0	1.4	4.5	1.2	.0	.C	30	.0	7.1
-6	.2	1.9	2.1	.2	.0	.C	19	.0	4.5
-7/-8	.2	1.6	3.3	.C	.0	.C	22	.0	5.2
-9/-10	.0	.5	.5	.0	.C	.C	4	.0	.9
-11/-13	.2	.9	.0	.0	.0	.0	5	.0	1.2
TOTAL	8		221		25		425	1	424
PCT	1.9	11.1	52.0	28.9	5.9	.2	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
1	1.7	1.3	.0	.0	.C	.0	3.0	.0	.0	.0	.0	.0	.0	1.3
1-2	.7	3.0	.0	.0	.C	.0	3.7	.0	1.1	.0	.0	.C	.0	1.1
3-4	.0	.0	.C	.0	.C	.0	.0	.0	.C	.0	.0	.C	.0	.0
5-6	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.C	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.C	.0	.0	.0	.C	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.C	.0	.0	.0	.0	.C	.0	.2	.0	.2
12	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
13-14	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
15-16	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0	.0	.0	.C	.0	.C	.0	.0
33-40	.0	.0	.C	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.C	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0	.0	.0	.C	.0	.0	.C	.0
TOT PCT	2.4	4.3	.0	.0	.C	.0	6.7	.0	2.4	.0	.0	.2	.0	2.6

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
1	.9	1.7	.0	.0	.C	.0	2.6	1.1	.9	.C	.0	.0	.0	2.0
1-2	.0	.0	.0	.0	.0	.0	.9	.C	3.0	.C	.0	.0	.0	3.0
3-4	.0	.0	.0	.0	.C	.0	.0	.0	2.0	.2	.0	.0	.0	2.2
5-6	.0	.0	.0	.0	.C	.0	.0	.0	.0	.9	.C	.C	.0	.9
7	.0	.0	.7	.7	.C	.0	1.3	.0	.0	1.1	.2	.C	.0	1.3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.C	.0	1.1
10-11	.0	.C	.0	.0	.7	.0	.7	.0	.0	.C	.0	.C	.0	.0
12	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-14	.0	.0	.0	.0	.C	.0	.0	.C	.0	.0	.0	.0	.0	.0
15-16	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0	.0	.0	.C	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0	.0	.0	.C	.0	.0	.0	.0
41-48	.0	.C	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0	.0	.0	.C	.0	.0	.C	.0
TOT PCT	.9	1.7	.7	.7	.7	.0	4.6	1.1	5.9	2.2	1.1	.0	.0	10.4

PERIOD: (OVER-ALL) 1963-1979

SEPTEMBER
TABLE 10 (CONT)AREA 0004 PAZATLAN
22.5N 107.8W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHT (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.9	.0	.0	.0	.0	1.5	.0	1.7	.0	.0	.0	.0	1.7
1-2	1.7	0.3	.9	.0	.0	.0	10.9	.0	1.1	.0	.0	.0	.0	1.1
3-4	.0	1.5	1.5	.0	.0	.0	3.0	.0	.0	1.7	.0	.0	.0	1.7
5-6	.0	.0	2.4	.9	.0	.0	3.3	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.9
8-9	.0	.0	.0	1.5	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.4	10.7	4.8	2.4	.0	.0	20.2	.0	2.8	2.8	.0	.0	.0	5.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.5	4.1	.9	.0	.0	.0	6.5	1.1	1.1	.9	.0	.0	.0	3.0	
1-2	3.5	2.4	.9	.0	.0	.0	6.7	.2	4.6	.9	.0	.0	.0	5.7	
3-4	.9	.9	.7	.0	.0	.0	2.4	.0	1.7	2.0	.0	.0	.0	3.7	
5-6	.0	.0	.9	.0	.0	.0	.9	.0	.0	.9	.0	.0	.0	.9	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.9	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.9	7.4	3.3	.0	.0	.0	16.5	1.3	7.4	5.4	.0	.0	.0	14.1	PC.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	27.4	12.8	1.7	.0	.0	.0	41.9	065
1-2	6.0	23.1	2.6	.0	.0	.0	31.6	
3-4	.9	6.0	6.0	.0	.0	.0	12.8	
5-6	.0	.0	5.1	.9	.0	.0	6.0	
7	.0	.0	3.4	.9	.0	.0	4.3	
8-9	.0	.0	.0	2.4	.0	.0	2.4	
10-11	.0	.0	.0	.0	.9	.0	.9	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	34.2	41.9	18.8	4.3	.9	.0	100.0	117

PERIOD: (OVER-ALL) 1949-1979

TABLE 10

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12-13	14-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.7	20.9	13.9	5.2	3.1	.8	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	194	3
6-7	.3	3.4	5.7	4.6	1.8	1.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	4
8-9	.3	1.0	1.3	.0	1.3	3.6	1.3	.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	41	7
10-11	.0	.0	.3	.0	.8	.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	7
12-13	.0	.0	.0	.0	.3	.3	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	8
14-16	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
INDEX	11.9	3.1	.5	1.0	.0	.5	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6	1
TOTAL	70	113	87	45	29	26	7	3	7	0	1	0	0	0	0	0	0	0	0	388	?
PCT	18.0	29.1	22.4	11.6	7.5	6.7	1.8	.8	1.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PPHAPPY) 1909-1979
(OVER-ALL) 1907-1979AREA 0004 PAZATLAN
22.6N 107.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN	ORZL	FRZG	SNOW	OTHER	MAIL	PCPN AT	PCPN PAST	THOR	FOG	FOG NO	SHORE	SPRAY	NC
	SHWR			PCPN		FRZN		OR TIME	HOURL	LTNG	NO	PCPN	HAZE	BLWG	SIG
						PCPN					PCPN	PAST	NOV	BLWG	NOV
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	.0	98.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.2	.0	.0	.0	.0	91.8
E	4.2	.0	.0	.0	.0	.0	.0	4.2	12.6	8.4	.0	.0	4.2	.0	70.5
SE	.0	5.0	5.0	.0	.0	.0	.0	9.9	.0	.0	.0	.0	2.5	.0	87.0
S	.0	2.3	.0	.0	.0	.0	.0	2.3	7.7	6.0	.0	.0	2.3	.0	85.2
SW	4.4	.0	3.0	.0	.0	.0	.0	7.4	3.0	9.6	.0	.0	3.0	.0	77.0
W	2.2	.0	1.4	.0	.0	.0	.0	3.6	.0	2.9	1.4	.0	2.9	.0	89.2
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	96.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	97.8
TOT PCT	.8	.6	.8	.0	.0	.0	.0	2.2	1.0	3.0	.4	.0	2.0	.0	91.3
TOT OBS:	497														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN	ORZL	FRZG	SNOW	OTHER	MAIL	PCPN AT	PCPN PAST	THOR	FOG	FOG NO	SHORE	SPRAY	NC
	SHWR			PCPN		FRZN		OR TIME	HOURL	LTNG	NO	PCPN	HAZE	BLWG	SIG
						PCPN					PCPN	PAST	NOV	BLWG	NOV
0000	.9	.9	.9	.0	.0	.0	.0	2.6	.9	.9	.0	.0	3.4	.0	92.3
0600	1.3	.7	.7	.0	.0	.0	.0	2.6	2.6	5.3	.7	.0	.7	.0	88.1
1200	.0	.8	.8	.0	.0	.0	.0	1.5	.9	6.5	.8	.0	.0	.0	92.4
1800	.8	.0	.8	.0	.0	.0	.0	1.7	.9	.0	.0	.0	4.1	.0	93.4
TOT PCT	.8	.6	.8	.0	.0	.0	.0	2.1	1.3	2.9	.4	.0	1.9	.0	91.4
TOT OBS:	521														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							NO.	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47		00					03	06	09	12	15	18	21
N	1.4	9.5	4.4	.2	.0	.0		16.0	8.6		13.6	7.5	12.0	14.0	14.0	17.9	14.3	
NE	1.3	2.6	1.2	.2	.0	.0		5.2	7.8		2.3	.0	4.3	15.6	3.0	.0	8.0	.0
E	.8	2.5	.7	.2	.2	.0		4.6	10.1		6.4	.0	4.1	.0	6.2	.0	9.7	.0
SE	2.1	4.6	1.6	.2	.0	.0		8.5	7.6		9.3	10.0	5.0	25.0	7.6	.0	9.0	14.3
S	1.2	5.9	1.4	.0	.0	.0		8.4	7.5		10.3	20.0	10.4	.0	5.4	.0	8.0	14.3
SW	1.7	4.2	1.1	.0	.2	.0		7.3	7.4		8.4	20.0	10.7	.0	3.6	.0	6.4	14.3
W	2.2	8.2	1.6	.1	.0	.0		12.1	7.4		12.6	17.5	12.8	25.0	17.2	40.0	8.0	10.7
NW	3.6	16.7	7.1	.2	.0	.0		29.0	8.3		27.8	15.0	31.1	15.6	33.2	50.0	26.9	32.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.0							9.0	.0		11.2	10.0	9.6	.0	4.8	.0	10.3	.0
TOT OBS	156	766	125	8	2	1	658	7.4			107	10	135	8	125	5	261	7
TOT PCT	23.7	55.6	19.0	1.2	.3	.2		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
		7-16	17-27	28-40	41+	00				03	06	09	12	15	18	21
N	6.6	8.2	1.0	.2	.0		16.0	8.6	13.0	12.4	18.7	17.8			
NE	2.9	2.0	.1	.2	.0		5.2	7.8	2.1	4.9	2.9	7.7			
E	2.4	1.4	.4	.2	.2		4.6	10.1	3.0	6.0	4.6				
SE	4.5	3.5	.4	.2	.0		8.5	7.6	9.4	6.1	7.3	9.9			
S	4.3	3.6	.6	.0	.0		8.4	7.5	11.1	9.8	5.2	8.1			
SW	4.6	2.5	.0	.0	.2		7.3	7.4	9.4	10.1	3.5	6.6			
W	6.3	5.3	.4	.1	.0		12.1	7.4	13.0	13.5	18.1	8.1			
NW	13.0	14.3	1.7	.0	.0		29.0	8.3	26.7	10.2	33.0	27.1			
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0			
CALM	9.0						9.0	.0	11.1	9.1	4.6	10.1			
TOT OBS	352	269	30	5	2	658		7.4	117	143	130	268			
TOT PCT	53.5	40.9	4.6	.8	.3	100.0			100.0	100.0	100.0	100.0			

OCTOBER

PERIOD: (PRIMARY) 1909-1979
(OVER-ALL) 1909-1979AREA 0006 PAZATLAN
22.64 107.96

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (CMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000	11.1	9.4	55.6	22.2	.0	.0	.0	8.0	100.0	117
0600	9.1	12.6	56.6	20.3	.7	.7	.0	7.5	100.0	143
1200	4.6	11.5	57.7	24.6	.0	.0	.0	8.2	100.0	130
1800	10.1	19.8	54.1	14.2	1.0	.0	.0	6.5	100.0	268
TOT	9.0	9.7	56.6	22.5	.9	.2	.1	7.4		658
PCT	9.0	10.7	55.8	19.0	1.2	.3	.2	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	C-2	3-4	5-7	8 & OBSCT	TOTAL OBS	MEAN CLOUD COVER
N	7.9	3.6	7.3	1.6		2.9
NE	2.7	1.5	.7	.1		2.0
E	.7	1.0	1.0	1.1		4.2
SE	1.1	1.4	2.1	1.5		4.1
S	3.6	1.9	2.9	1.1		3.0
SW	2.1	1.2	2.1	1.2		4.2
W	8.3	2.0	1.1	1.1		2.4
NW	16.7	5.5	4.5	.8		2.3
VAR	.0	.0	.0	.0		.0
CALM	6.2	1.2	1.0	0		1.6
TOT OBS	223	83	78	36	420	2.9
TOT PCT	53.1	19.8	18.6	8.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/P)
AND OCCURRENCE OF NM <5/P BY WIND DIRECTION

WIND DIR	100	150	200	300	400	500	600	700	800	900	1000	1500	2000	3000	4000	5000	6000	7000	8000	9000	10000	ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.5	1.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.6
NE	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7
E	.0	.0	.0	.2	.2	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2
SE	.0	.0	.0	.2	.7	.6	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4
S	.2	.0	.2	.4	.4	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3
SW	.0	.0	.2	.0	1.4	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8
W	.0	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5
NW	.0	.0	.0	.0	.7	1.4	1.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6
TOT OBS	1	1	4	13	32	19	4	1	0	2	142	420											
TOT PCT	.2	.2	1.2	3.1	7.6	4.5	1.0	.2	.0	.5	81.4	100.0											

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/P) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	> OR >10	> OR >5	> OR >2	> OR >1	> OR >1/2	> OR >1/4	> OR >5000	> OR >0
> OR >6000	.2	.5	.5	.5	.5	.5	.5	.5
> OR >5000	.5	.7	.7	.7	.7	.7	.7	.7
> OR >3500	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.6
> OR >2000	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0
> OR >1000	12.8	13.8	14.0	14.0	14.0	14.0	14.0	14.0
> OR >600	15.1	16.3	16.7	16.7	16.7	16.7	16.7	16.7
> OR >300	15.8	17.0	17.7	17.9	17.9	17.9	17.9	17.9
> OR >150	15.8	17.2	17.9	18.1	18.1	18.1	18.1	18.1
> OR >0	16.1	17.4	18.1	18.3	18.3	18.3	18.3	18.3
TOTAL	70	76	79	80	80	80	80	80

TOTAL NUMBER OF OBS: 436

PCT FREQ NM <5/P: 81.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	9	OPSCD	TOTAL OBS
	25.9	19.6	15.3	11.9	7.5	5.0	4.7	5.0	4.2	.0		464

PERIOD: (PRIMARY) 1909-1979
(OVER-ALL) 1880-1979

OCTOBER

AREA NO04 PAZATLAN
22.64 107.94

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (MP)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
2<5	PCP	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	.4
	NO PCP	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.4
	TOT %	.0	.0	.0	.2	.0	.6	.0	.0	.0	.0	.4	.8
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.5	.2	.8	.8	.4	.4	1.0	.7	.0	.6	5.6	5.6
	TOT %	.5	.2	.8	.8	.4	.4	1.0	.7	.0	.6	5.6	
10+	PCP	.0	.0	.0	.0	.2	.1	.5	.0	.0	.0	1.6	1.6
	NO PCP	14.1	4.2	3.9	6.2	7.8	5.6	12.7	28.0	.0	8.6	91.8	
	TOT %	14.1	4.2	3.9	7.0	8.0	5.7	13.2	28.0	.0	8.6	93.4	
TOT OBS													
TOT PCT													
		14.7	5.0	4.9	4.1	8.4	6.7	14.3	28.8	.0	9.3	100.0	486

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSPY (MP)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
2<5	0-3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	
	4-10	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	
	22+	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.2	.0	.6	.0	.0	.0	.0	.8	
5<10	0-3	.0	.0	.2	.4	.0	.0	.4	.1	.0	.6	1.6	
	4-10	.5	.3	.0	.4	.2	.4	.6	.5	.0	.0	2.8	
	11-21	.0	.0	.4	.0	.2	.0	.0	.2	.0	.0	.8	
	22+	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.5	.3	.8	.8	.4	.4	1.0	.7	.0	.6	5.5	
10+	0-3	1.6	1.1	.4	1.5	.7	1.0	1.9	3.0	.0	8.5	19.6	
	4-10	8.2	2.4	2.7	3.7	6.1	3.4	8.9	17.9	.0	.0	53.3	
	11-21	4.4	1.3	.6	1.9	1.3	1.2	1.9	7.3	.0	.0	19.8	
	22+	.4	.0	.2	.1	.0	.1	.2	.1	.0	.0	.8	
	TOT %	14.6	4.7	3.8	7.1	8.1	5.6	12.9	28.2	.0	8.5	93.5	
TOT OBS													
TOT PCT													
		15.1	4.9	4.8	8.1	8.5	6.6	13.9	28.9	.0	9.1	100.0	495

OCTOBER

PERIOD: (PRIMARY) 1969-1979
(OVER-ALL) 1960-1979

AREA DCON MZATLAN
22.6N 107.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 209	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 AVG MGT	TOTAL OBS
00003	.0	.0	.9	1.9	2.8	5.7	2.8	.0	.0	.0	14.2	85.8	106
06009	.8	.0	1.6	.8	11.2	1.6	.0	.0	.0	.0	16.0	84.0	125
12015	.0	.9	1.8	2.7	8.9	5.4	.0	.0	.0	.9	20.5	79.5	112
18021	.0	.0	.0	6.3	8.9	4.5	.9	.9	.0	.9	22.3	77.7	112
TOT	1	1	5	13	37	19	4	1	0	2	83	372	455
PCT	.2	.2	1.1	2.9	8.1	4.2	.9	.2	.0	.4	18.2	81.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.8	.8	3.4	94.9	110
06009	.0	.0	.0	.7	8.2	91.2	147
12015	.0	.0	.0	.0	6.1	93.9	132
18021	.0	.0	.0	1.6	4.1	94.3	122
TOT	0	0	1	4	24	485	519
PCT	.0	.0	.2	.8	5.6	93.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 1	<1000 5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.0	1.0	3.9	11.7	84.5	107
06009	.8	2.5	3.3	13.2	83.5	121
12015	.0	2.9	5.8	15.5	78.6	101
18021	.0	.0	6.4	14.7	78.9	109
TOT	1	7	21	60	345	434
PCT	.2	1.6	4.8	13.8	81.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.2	.5	.0	.0	.0	3	.7
90/94	.0	.0	.0	.2	.7	.5	.5	.0	8	1.9
85/89	.0	.0	.2	1.4	4.1	6.7	2.2	.2	70	16.9
80/84	.0	.0	.2	1.0	6.7	28.4	20.7	4.1	254	61.2
75/79	.0	.0	.0	.2	1.9	7.7	6.3	1.7	74	17.8
70/74	.0	.0	.0	.0	.2	.5	.0	.7	6	1.4
TOTAL	0	0	2	13	59	190	123	28	415	100.0
PCT	.0	.0	.5	3.1	14.2	45.8	29.6	6.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALC
95/99	.0	.0	.0	.0	.0	.0	.2	.5	.0	.0
90/94	.2	.0	.0	.2	.2	.0	.2	.5	.0	.5
85/89	3.0	1.4	.5	1.0	2.2	1.4	2.5	2.9	.0	1.9
80/84	8.4	3.0	3.2	6.0	6.9	3.9	6.9	18.7	.0	4.3
75/79	3.6	.7	1.1	1.4	.8	1.9	2.2	4.8	.0	1.2
70/74	.4	.0	.0	.0	.0	.1	.2	.8	.0	.0
TOTAL	15.6	5.2	4.8	8.6	10.1	7.3	12.2	28.3	.0	8.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	97	96	92	83	78	74	77	83.4	118
06009	98	88	85	81	77	74	73	81.2	153
12015	86	85	84	80	76	74	73	80.1	136
18021	95	94	90	84	79	77	75	84.3	265
TOT	98	95	88	82	77	74	73	82.6	672

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	5.2	25.4	40.2	26.8	2.1	74	97
06009	.0	.8	5.4	45.4	38.5	10.0	79	130
12015	.0	1.9	7.5	49.5	32.7	8.4	79	107
18021	.0	6.7	20.2	49.0	18.3	5.8	74	104
TOT	0	15	61	202	130	30	77	438

OCTOBER

PERIOD: (PPHART) 1909-1979
(OVER-ALL) 188C-1979AREA 0004 PAZAILAN
22.64 107.96

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	73	77	81	85	89	92	TOT	h FOG	h0 FOG
11/13	.0	.0	.2	.2	.0	.0	2	.0	.5
9/10	.0	.0	.0	.2	.5	.2	4	.0	.9
7/8	.0	.0	.5	.0	.0	.7	5	.0	1.1
6	.0	.0	.5	.0	.0	.0	2	.0	.5
5	.0	.2	.7	1.4	.5	.0	12	.0	2.7
4	.0	.2	.7	1.4	.0	.0	10	.0	2.3
3	.0	.2	.2	1.6	.7	.0	12	.0	2.7
2	.0	.2	2.3	2.7	.9	.0	27	.0	6.1
1	.0	.2	3.2	2.0	.2	.0	25	.0	5.6
0	.2	.9	5.0	2.5	.0	.2	39	.0	8.8
-1	.2	2.0	6.5	.7	.0	.0	42	.2	9.3
-2	.0	3.6	6.8	1.4	.0	.0	52	.0	11.7
-3	.0	1.8	6.5	.5	.0	.0	39	.0	8.8
-4	.2	3.6	6.5	.2	.0	.0	47	.0	10.6
-5	.0	5.0	6.3	.2	.0	.0	51	.0	11.5
-6	.7	4.1	2.9	.2	.0	.0	35	.0	7.9
-7/-8	.9	4.2	1.8	.0	.0	.0	26	.0	5.9
-9/-10	.5	1.1	.0	.0	.0	.0	7	.0	1.6
-11/-13	.9	.5	.0	.0	.0	.0	6	.0	1.4
TOTAL	16	119	224	67	5	443	1	442	
PCT	3.6	26.9	50.6	15.1	2.7	1.1	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	1.5	.0	.0	.0	.0	1.5	.0	.9	.0	.0	.0	.0	.9
1-2	1.3	4.5	.9	.0	.0	.0	6.6	.0	4.3	.2	.0	.0	.0	4.5
3-4	.0	.9	1.3	.0	.0	.0	2.1	.0	.9	1.9	.0	.0	.0	2.8
5-6	.0	.6	1.3	.0	.0	.0	1.9	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	7.5	3.4	.0	.0	.0	12.2	.0	6.0	2.4	.0	.0	.0	8.9

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.6	.0	.0	.0	.0	.6	.0	.4	.0	.0	.0	.0	.4
1-2	.9	1.7	.6	.0	.0	.0	3.2	.0	1.3	.2	.0	.0	.0	1.5
3-4	.0	.9	.0	.0	.0	.0	.9	.0	.2	.9	.0	.0	.0	1.1
5-6	.0	.0	.9	.0	.0	.0	.9	.0	.0	1.7	.0	.0	.0	1.7
7	.0	.0	.9	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	3.2	2.4	.0	.0	.0	7.3	.0	1.9	2.4	.0	.0	.0	4.7

PERIOD: (OVER-ALL) 1943-1979

OCTOBER

AREA CODE MAZATLAN
22.6N 107.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.0	.0	.0	.0	.0	3.0	2.1	1.3	.0	.0	.0	.0	3.4
1-2	.0	3.0	.0	.0	.0	.0	3.0	.0	5.1	1.7	.0	.0	.0	6.8
3-4	.0	.0	1.7	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.6	2.4	.0	.0	.0	9.0	2.1	7.3	1.7	.0	.0	.0	11.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.3	3.0	.0	.0	.0	.0	5.1	.0	5.6	.0	.0	.0	.0	5.6	
1-2	1.5	9.0	.0	.0	.0	.0	10.5	3.2	4.5	.0	.0	.0	.0	7.7	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.0	.0	.0	.0	4.5	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.4	.0	.0	.0	3.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.8	12.8	.9	.0	.0	.0	16.5	3.2	12.8	4.7	.0	.0	.0	20.7	89.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	14.9	16.5	.0	.0	.0	.0	31.4	
1-2	8.3	32.2	4.1	.0	.0	.0	44.6	
3-4	.0	5.8	9.1	.0	.0	.0	14.9	
5-6	.0	1.7	5.8	.0	.0	.0	7.4	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	23.1	56.2	19.8	.0	.0	.0	100.0	121

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT	
<6	6.5	17.3	18.9	6.5	2.1	.3	.3	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	202	3
6-7	.3	7.0	5.2	4.4	2.1	1.6	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	84	4
8-9	.0	1.3	2.3	.8	.8	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	5
10-11	.0	.8	1.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	4
12-13	.0	.0	.8	.0	.3	.0	.3	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	5	10
>13	.0	.0	.0	.0	.0	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	0
INDEX	11.9	1.3	.3	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58	1
TOTAL	72	110	110	57	23	9	5	1	2	1	1	1	0	0	0	0	0	0	0	0	387	3
PCT	18.6	28.4	28.4	13.4	5.9	2.3	1.3	.3	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1939-1979
(OVER-ALL) 1869-1979

NOVEMBER

AREA 0000 PAZATLAN
22.6N 107.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAUL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SPOKE MAZE	SPRAY BLUG DUST BLUG SNOW	NO SIG WEA
N	.0	.0	1.4	.0	.0	.0	.0	1.4	.0	.7	.0	.0	1.2	.0	96.7
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	3.3	.0	2.5	.0	90.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	9.5	.0	.0	.0	4.0	.0	85.7
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	.0	95.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	4.9	.0	.0	.0	.0	.0	95.1
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	97.4
NW	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	99.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.4	.0	.0	.0	.0	.4	.8	.4	.2	.0	.0	.0	97.3
TOT OBS:	496														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SPOKE MAZE	SPRAY BLUG DUST BLUG SNOW	NO SIG WEA
00003	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	2.7	.0	94.6
06009	.0	.0	.7	.0	.0	.0	.0	.7	.7	1.4	.0	.0	.0	.0	97.2
12015	.0	.0	.7	.0	.0	.0	.0	.7	.7	.0	.0	.0	1.5	.0	97.1
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.1
TOT PCT	.0	.2	.4	.0	.0	.0	.0	.6	.8	.4	.2	.0	1.0	.0	97.0
TOT OBS:	496														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	01	06	09	12	15	18	21
N	2.2	13.6	13.3	1.4	.1	.2		30.7	11.4	29.1	45.0	29.1	20.0	32.3	.0	32.4	30.0	
NE	1.4	5.3	2.4	.2	.0	.0		9.2	8.5	6.5	.0	6.2	.0	8.3	16.7	13.0	.0	
E	1.2	4.3	.6	.0	.0	.0		6.1	6.7	6.7	.0	2.8	.0	8.3	.0	7.2	.0	
SE	.9	1.7	.2	.0	.0	.0		2.8	5.5	2.3	.0	.4	.0	1.7	.0	4.5	.0	
S	.8	1.9	.5	.0	.0	.0		3.3	6.9	4.4	.0	4.4	.0	3.4	.0	2.1	.0	
SW	.6	3.2	.5	.0	.0	.0		4.3	6.8	5.3	.0	3.5	.0	6.0	.0	3.5	.0	
W	1.4	4.9	.6	.0	.0	.0		6.8	6.3	10.8	16.7	9.2	10.0	4.7	25.0	3.4	10.0	
NW	3.9	14.5	10.0	.6	.1	.0		29.0	9.3	24.8	20.0	38.1	70.0	27.1	41.7	24.1	60.0	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	7.8							7.8	.0	8.3	16.7	5.7	.0	6.8	16.7	9.6	.0	
TOT OBS	121	290	169	17	1	1	403		8.5	109	6	141	5	133	6	198	5	
TOT PCT	20.1	49.4	28.0	2.7	.2	.2		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00 01	06 09	12 15	18 21
N	8.5	16.5	5.3	.2	.2		30.7	11.4	30.0	28.8	30.9	32.4
NE	4.0	4.5	.7	.0	.0		9.2	8.5	6.0	6.0	8.6	12.7
E	3.4	2.7	.0	.0	.0		6.1	6.7	6.3	2.7	7.9	7.0
SE	2.1	.7	.0	.0	.0		2.8	5.5	2.2	.9	3.1	4.4
S	1.7	1.6	.0	.0	.0		3.3	6.9	4.1	4.3	3.2	2.1
SW	2.4	1.7	.2	.0	.0		4.3	6.8	5.0	3.4	5.8	3.4
W	4.2	2.4	.2	.0	.0		6.8	6.3	11.1	9.2	5.6	3.4
NW	11.6	14.1	3.0	.3	.0		29.0	9.3	24.6	39.2	27.7	25.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	7.8						7.8	.0	6.7	5.5	7.2	9.4
TOT OBS	275	267	57	3	1	403		8.5	115	146	139	203
TOT PCT	45.6	44.3	9.5	.5	.2		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1939-1979
(OVER-ALL) 1869-1979AREA 0004 MAZATLAN
22.6N 107.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (HRT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	8.7	12.2	43.5	33.9	1.7	.0	.0	.0	8.6	100.0	114
06009	5.5	9.6	54.1	28.1	2.7	.0	.0	.0	8.8	100.0	146
12015	7.2	12.2	55.4	23.0	1.4	.0	.7	.0	8.3	100.0	139
18021	9.4	14.3	45.3	28.1	2.5	.5	.0	.0	8.2	100.0	203
TOT	47	74	298	169	13	1	1		8.5		603
PCT	7.8	12.3	49.4	28.0	2.2	.2	.2		100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-6	TOTAL OBS	MEAN CLOUD COVER
N	17.1	7.6	4.8	1.3		2.4
NE	5.2	1.7	2.0	.2		2.5
E	3.0	1.7	1.5	.7		3.0
SE	.7	1.0	.4	.5		3.8
S	1.7	.0	1.0	.0		3.2
SW	2.3	1.2	.5	.2		2.7
W	3.5	1.7	1.3	.0		2.4
NW	18.1	9.0	4.9	1.1		2.2
VAR	.0	.0	.0	.0		.0
CALM	5.0	1.0	1.7	.2		2.4
TOT OBS	238	91	76	16	421	2.5
TOT PCT	56.5	21.6	18.1	3.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/A)
AND OCCURRENCE OF NH <5/A BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS/CP	TOTAL OBS	MEAN												
						CLOUD COVER	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/P ANY HGT	TOTAL OBS
							000	150	300	600	1000	2000	3500	5000	6500	8000+		
N	17.1	7.6	4.8	1.3	2.4	2	0	0	4	7	5	1.1	0	0	0	0	28.0	
NE	5.2	1.7	2.0	0	2.5	0	0	0	2	2	0	0	0	2	0	0	7.8	
E	3.0	1.7	1.5	0	3.0	0	0	2	2	2	0	0	0	0	0	0	5.7	
SE	.7	1.0	.4	.5	3.8	0	0	0	0	.5	0	0	0	0	0	0	2.0	
S	1.7	0	1.0	0	3.2	0	0	0	0	.5	0	2	0	0	0	0	2.4	
SW	2.3	1.2	.5	0	2.7	0	0	0	0	2	0	0	2	0	0	0	3.7	
W	3.5	1.7	1.3	0	2.4	0	0	0	0	2	0	0	0	0	0	0	6.2	
NW	18.1	5.0	4.9	1.1	2.2	1	2	2	5	5	1.4	.4	2	0	0	0	25.5	
VAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CALM	5.0	1.0	1.7	0	2.4	0	0	0	0	1.0	.2	0	0	0	0	0	6.7	
TOT OBS	230	91	76	421	2.5	1	1	2	6	17	9	10	3	0	0	0	372	
TOT PCT	56.5	21.6	19.1	3.8	100.0	2	2	5	1.4	4.0	2.1	2.4	.7	0	0	0	88.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/A) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>5000	>0
> OR = 36000	.0	.0	.0	.0	.0	.0	.0	.0
> OR = 30000	.7	.7	.7	.7	.7	.7	.7	.7
> OR = 25000	2.6	3.0	3.0	3.0	3.0	3.0	3.0	3.0
> OR = 20000	5.1	5.4	5.4	5.4	5.4	5.4	5.4	5.4
> OR = 15000	8.9	9.3	9.6	9.6	9.6	9.6	9.6	9.6
> OR = 10000	10.5	11.0	11.2	11.2	11.2	11.2	11.2	11.2
> OR = 7500	11.0	11.4	11.7	11.7	11.7	11.7	11.7	11.7
> OR = 5000	11.0	11.7	11.9	11.9	11.9	11.9	11.9	11.9
> OR = 0	11.2	11.9	12.1	12.1	12.1	12.1	12.1	12.1
TOTAL	48	51	52	52	52	52	52	52

TOTAL NUMBER OF OBS: 429

PCT FREQ NH <5/A: 87.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

C	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
37.0	17.1	13.8	13.8	4.6	3.3	3.6	3.1	2.0	.2	449

PERIOD: (PRIMARY) 1939-1979
(OVER-ALL) 1969-1974

NOVEMBER

AREA 0004 HAZATLAN
22.0N 107.9E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSHT (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.2
	TOT N	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.2
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2
	TOT N	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.3	.4	.4	.3	.0	.2	.4	1.4	.0	.2	3.7	3.7
	TOT N	.3	.4	.4	.3	.0	.2	.4	1.4	.0	.2	3.7	3.7
10+	PCP	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
	NO PCP	20.6	8.6	5.8	1.9	2.9	4.0	7.5	27.8	.0	8.3	95.5	95.5
	TOT N	20.0	8.6	5.8	1.9	2.9	4.0	7.5	27.8	.0	8.3	95.9	95.9
TOT OBS													95.9
TOT PCT		20.2	9.0	6.2	2.2	3.3	4.2	7.9	29.3	.0	8.5	100.0	100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSHT (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.2	.2
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT N	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.2	.2
2<5	0-3	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	.2
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT N	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	.2
5<10	0-3	.2	.0	.2	.1	.0	.0	.0	.4	.0	.2	1.0	1.0
	4-10	.0	.4	.2	.2	.0	.0	.4	.8	.0	.0	2.0	2.0
	11-21	.1	.0	.0	.0	.0	.2	.0	.1	.0	.0	.4	.4
	22+	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	.2
	TOT N	.3	.4	.4	.3	.0	.2	.4	1.5	.0	.2	3.7	3.7
10+	0-3	2.1	.9	.6	.5	.4	.4	1.5	3.3	.0	8.4	17.9	17.9
	4-10	13.1	5.0	4.4	1.2	2.0	3.2	5.5	14.5	.0	.0	48.9	48.9
	11-21	12.6	2.4	.8	.2	.6	.4	.4	9.7	.0	.0	27.3	27.3
	22+	1.3	.2	.0	.0	.0	.0	.0	.4	.0	.0	1.8	1.8
	TOT N	29.1	8.5	5.8	1.8	3.1	4.0	7.4	27.7	.0	8.4	95.9	95.9
TOT OBS													95.9
TOT PCT		29.6	8.9	6.1	2.1	3.4	4.2	7.8	29.3	.0	8.6	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1939-1979
(COVER-ALL) 1969-1979

AREA DCDN HAZATLAN
22.6N 107.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH 30/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	TOTAL	NH <5/8 ALL HGT	TOTAL OBS
0000	.0	1.0	2.0	1.0	2.0	3.0	3.0	2.0	.0	.0	14.0	86.0	100				
0600	.0	.0	.0	2.3	3.8	2.3	.0	.0	.0	.0	8.4	91.6	131				
1200	.0	.0	.0	1.6	2.5	2.5	1.6	.0	.0	.0	9.0	91.0	122				
1800	.0	.0	.0	1.1	8.6	1.1	5.4	1.1	.0	.0	17.2	82.8	93				
TOT	1	1	2	7	18	10	10	3	0	0	52	394	446				
PCT	.2	.2	.4	1.6	4.0	2.2	2.2	.7	.0	.0	11.7	88.3	100.0				

TABLE 11

PERCENT FREQUENCY USBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000	.0	.0	.0	.0	4.4	95.6	113
0600	.0	.0	.0	.7	2.7	96.6	147
1200	.0	.0	.7	.0	2.9	96.4	138
1800	.0	.0	.0	.0	4.8	95.2	105
TOT	0	0	1	1	18	483	503
PCT	.0	.0	.2	.2	3.6	96.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF USBY (NH) AND/OR
CEILING HGT (FEET, NH 30/8) BY HOUR

HOUR (GMT)	<150 <50/8	<600 <1	<1000 <5	<1000 10/8	NH <5/8 AND 5+	TOTAL OBS
0000	.0	3.2	4.2	10.5	95.3	95
0600	.0	.0	3.1	5.4	91.5	129
1200	.0	.0	3.5	7.0	89.6	118
1800	.0	.0	1.1	16.7	82.2	90
TOT	1	4	13	40	376	429
PCT	.2	.9	3.0	9.3	87.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/90	.0	.0	.0	.0	.0	.0	.0	.0	3	.0
85/89	.0	.0	.1	1.0	1.8	1.0	.3	.0	17	4.3
80/89	.0	.0	.0	.0	16.3	17.0	3.8	1.0	127	31.4
75/79	.0	.0	1.0	3.0	6.3	21.6	12.8	4.0	202	50.6
70/79	.0	.0	.5	1.0	2.3	4.0	3.8	.3	47	11.8
65/69	.0	.0	.0	.0	.0	.0	.0	.0	3	.8
TOTAL	0	0	7	23	120	146	82	21	399	100.0
PCT	.0	.0	1.8	5.8	30.3	36.6	20.6	5.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/90	.0	.0	.0	.0	.3	.0	.0	.1	.0	.0
85/89	.0	.0	.0	.0	.2	.0	.3	.1	.0	.0
80/89	.0	.0	.0	.0	.2	.0	.3	.1	.0	.0
75/79	.0	.0	.0	.0	.2	.0	.3	.1	.0	.0
70/79	.0	.0	.0	.0	.2	.0	.3	.1	.0	.0
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	0	0	0	0	0	0	0	0	0	0
PCT	0.0	0.2	0.5	1.6	3.3	4.4	7.6	10.8	.0	0.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	998	958	508	58	18	MIN	MEAN	TOTAL OBS
0000	96	91	87	80	75	69	69	80.1	114
0600	84	82	81	77	72	71	70	76.9	149
1200	82	81	81	77	70	66	66	76.7	142
1800	90	88	86	80	73	70	67	79.8	196
TOT	96	88	85	78	72	65	66	78.4	601

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	9.4	40.6	30.2	13.5	6.3	72	96		
0600	.0	5.6	14.3	42.9	33.3	4.0	76	126		
1200	.0	4.0	19.2	46.9	21.2	9.1	76	99		
1800	.0	11.4	51.1	23.9	9.1	4.5	70	88		
TOT	0	30	121	150	84	24	74	409		

NOVEMBER

PERIOD: (PRIMARY) 1939-1979
(OVER-ALL) 1869-1979AREA 0004 HAZATLAN
22.6N 107.9E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	65 68	69 72	71 76	77 80	81 84	85 88	89 92	>92	101 FOG	40 FOG	
11/13	.0	.0	.0	.0	.0	.0	.2	.2	2	.4	
9/10	.0	.0	.0	.2	.0	.0	.0	.0	1	.2	
7/8	.0	.0	.4	.0	.4	.2	.4	.0	7	1.6	
6	.0	.0	.0	.2	.7	.2	.7	.0	6	1.3	
5	.0	.0	.0	.7	.0	.4	.0	.0	5	1.1	
4	.0	.0	.2	.9	.4	.2	.0	.0	8	1.8	
3	.0	.0	.0	.4	.7	1.1	.0	.0	10	2.2	
2	.0	.2	.0	.9	1.3	.4	.0	.0	13	2.9	
1	.0	.0	.2	1.1	1.8	.7	.0	.0	17	3.8	
0	.0	.0	.7	1.8	5.3	.2	.0	.0	36	8.0	
-1	.0	.0	.9	3.5	3.1	.0	.0	.0	34	7.5	
-2	.0	.4	2.2	6.2	4.7	.0	.0	.0	61	13.5	
-3	.0	.2	1.8	6.2	1.1	.2	.0	.0	43	9.5	
-4	.0	.0	3.1	6.7	.9	.0	.0	.0	88	18.6	
-5	.0	.0	4.0	9.8	.7	.0	.0	.0	65	14.2	
-6	.0	.2	3.1	3.8	.2	.0	.0	.0	34	7.5	
-7/-8	.0	2.2	3.5	1.6	.0	.0	.0	.0	33	7.3	
-9/-10	.0	.7	1.8	.9	.0	.0	.0	.0	15	3.3	
-11/-13	.0	1.1	1.1	.4	.0	.0	.0	.0	12	2.7	
-14/-16	.2	.0	.0	.0	.0	.0	.0	.0	1	.2	
TOTAL	1	23	105	96	17	4	1	451	1	450	
PCT	.2	5.1	23.3	45.2	21.3	3.8	.9	.2	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N							NE						
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.4	3.4	.0	.0	.0	.0	4.9	.8	1.7	.8	.0	.0	.0	3.2
1-2	1.9	8.5	2.7	.0	.0	.0	13.1	.0	2.5	.0	.0	.0	.0	2.5
3-4	.0	2.7	3.8	.0	.0	.0	7.2	.0	.8	.8	.0	.0	.0	1.5
5-6	.0	.8	6.8	.0	.0	.0	8.1	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.2	15.4	13.7	.6	.0	.0	33.5	.8	5.1	2.5	.8	.0	.0	9.1

HGT	E							SE						
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.8	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0
1-2	.4	.8	.4	.0	.0	.0	2.1	.9	.0	.0	.0	.0	.0	.9
3-4	.0	1.5	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.8	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	3.9	.8	.0	.0	.0	5.3	.9	.0	.0	.0	.0	.0	.9

PERIOD: (OVER-ALL) 1963-1979

NOVEMBER

TABLE 18 (CONT)

AREA DPOA PAZATLAN
22.6N 107.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	5								5h							
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	1.3	.0	.0	.0	.0	1.3		.0	1.7	.0	.0	.0	.0	2.5	
1-2	.0	.0	.0	.0	.0	.0	.0		.0	1.9	.0	.0	.0	.0	2.7	
3-4	.0	1.3	.0	.0	.0	.0	1.3		.0	.0	1.5	.0	.0	.0	1.9	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-14	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	2.7	.0	.0	.0	.0	2.7		.0	4.0	2.3	.0	.0	.0	7.0	

HGT	h								Hh								TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.0	.0	.0	.0	.0	.0	.0		.0	2.5	.0	.0	.0	.0	2.5		90.9
1-2	.0	3.2	.0	.0	.0	.0	3.2		1.1	7.4	5.7	.0	.0	.0	14.2		
3-4	.0	1.7	.0	.0	.0	.0	1.7		.0	1.5	3.0	.0	.0	.0	5.3		
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	1.3	.2	.0	.0	2.3		
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
13-14	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
TOT PCT	.0	4.9	.0	.0	.0	.0	5.7		2.7	11.4	10.9	.2	.0	.0	25.1		

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OPS
<1	12.0	12.0	.0	.0	.0	.0	25.6	133
1-2	4.5	24.1	9.0	.0	.0	.0	38.3	
3-4	1.5	9.0	9.0	.0	.0	.0	20.3	
5-6	.0	.0	9.0	.0	.0	.0	11.3	
7	.0	.0	.0	.0	.0	.0	2.3	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-14	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	19.5	47.5	29.3	1.5	.0	.0	100.0	

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT	
<6	6.7	24.6	19.9	7.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	213	3
6-7	.0	4.5	4.2	6.2	2.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	71	4
8-9	.0	1.4	2.0	1.1	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	5
10-11	.0	.3	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
12-13	.0	.0	1.4	.0	.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	5
>13	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
IMDET	6.7	2.0	.3	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	1
TOTAL	.0	110	106	50	14	9	1	3	0	0	0	0	0	0	0	0	0	0	0	0	357	3
PCT	13.4	33.1	29.7	16.2	3.9	2.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1958-1979
(OVER-ALL) 1960-1979

DECEMBER

AREA 0000 HAZATLAN
22.6N 108.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG	SNOW	OTHER	WAIL	PCPN AT	PCPN PAST	THOR	FOG	FOG NO	SMOKE	SPRAY
						FRZG		OB TIME	HOUP	LTNG	NO	PCPN	HAZE	BLUG
						PCPN					PCPN	PAST HR		SNOW
N	.4	.0	.5	.0	.0	.0	.0	.8	1.2	.0	1.4	.0	2.2	.0
NE	2.3	.0	1.9	.0	.0	.0	.0	4.2	.0	.0	3.7	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	6.0	.0	.0	.0	.0	.0
S	12.1	.0	.0	.0	.0	.0	.0	12.1	.0	.0	.0	.0	12.1	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	2.1	.0	.7	.0	.0	.0	.0	2.1	1.0	.0	2.8	.0	.9	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	5.3	.0	.0	.0	5.3	.0
TOT PCT	1.2	.0	.6	.0	.0	.0	.0	1.6	1.2	.0	1.8	.0	1.6	.0
TOT OBS:	516													94.0

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG	SNOW	OTHER	WAIL	PCPN AT	PCPN PAST	THOR	FOG	FOG NO	SMOKE	SPRAY
						FRZG		OB TIME	HOUP	LTNG	NO	PCPN	HAZE	BLUG
						PCPN					PCPN	PAST HR		SNOW
0000	.9	.0	.9	.0	.0	.0	.0	1.7	.0	.0	2.6	.0	2.6	.0
0600	.7	.0	.0	.0	.0	.0	.0	.7	1.4	.0	.0	.0	.7	.0
1200	2.4	.0	.0	.0	.0	.0	.0	2.4	2.4	.0	1.6	.0	.4	.0
1800	.7	.0	1.4	.0	.0	.0	.0	1.4	1.4	.0	4.8	.0	2.1	.0
TOT PCT	1.1	.0	.6	.0	.0	.0	.0	1.5	1.3	.0	2.2	.0	1.5	.0
TOT OBS:	536													93.5

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21		
N	2.3	14.6	20.4	3.4	.3	.1		41.1	13.1	44.9	25.0	37.2	.0	43.1	42.9	42.7	16.0		
NE	.9	6.1	2.9	.0	.0	.0		9.9	9.2	10.9	.0	10.2	.0	8.8	28.6	9.4	37.5		
E	.5	2.1	.4	.0	.0	.0		3.0	7.4	4.9	.0	3.1	.0	4.2	.0	1.4	12.5		
SE	.5	1.8	.2	.2	.0	.0		2.7	6.7	3.8	.0	1.5	20.0	1.7	.0	3.4	.0		
S	.3	1.0	.2	.0	.0	.0		1.5	6.7	1.6	10.0	.5	.0	.8	.0	2.3	.0		
SW	.5	1.2	.8	.0	.0	.0		2.3	7.9	1.3	.0	1.4	20.0	3.2	.0	2.4	.0		
W	1.2	3.2	.4	.0	.0	.0		4.8	6.2	5.4	5.0	5.3	40.0	6.5	.0	2.4	.0		
NW	2.5	14.9	11.5	1.9	.2	.0		31.0	11.1	24.6	60.0	37.4	20.0	26.3	28.6	31.7	31.3		
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	3.7							3.7	.0	2.7	.0	3.4	.0	5.3	.0	3.0	.0		
TOT OBS	77	280	229	34	3	1	624	10.7		112	10	147	5	131	7	208	4		
TOT PCT	12.3	44.9	36.7	5.4	.5	.2		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL	PCT	MEAN	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+						00	03	06	12	18
N	8.7	20.4	10.5	1.3	.1		41.1	13.1	44.9	25.0	37.2	.0	43.1	42.9	42.7
NE	4.0	5.2	.8	.0	.0		9.9	9.2	10.9	.0	10.2	.0	8.8	28.6	9.4
E	1.6	1.2	.3	.0	.0		3.0	7.4	4.9	.0	3.1	.0	4.2	.0	1.4
SE	1.7	.8	.2	.0	.0		2.7	6.7	3.8	.0	1.5	20.0	1.7	.0	3.4
S	1.0	.3	.2	.0	.0		1.5	6.7	1.6	10.0	.5	.0	.8	.0	2.3
SW	1.0	1.2	.0	.0	.0		2.3	7.9	1.3	.0	1.4	20.0	3.2	.0	2.4
W	3.0	1.6	.2	.0	.0		4.8	6.2	5.4	5.0	5.3	40.0	6.5	.0	2.4
NW	8.2	17.0	3.7	.4	.0		31.0	11.1	24.6	60.0	37.4	20.0	26.3	28.6	31.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.7						3.7	.0	2.7	.0	3.4	.0	5.3	.0	3.0
TOT OBS	205	298	109	11	1	624	10.7		112	10	147	5	131	7	208
TOT PCT	32.9	47.8	17.5	1.8	.2		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1938-1979
(OVER-ALL) 1860-1979

AREA CODE 402ATLAN
72.6A 100.00

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+		
0603	2.5	4.9	47.5	38.5	5.7	.8	.0	11.6	100.0
0609	3.3	7.2	51.3	33.6	4.6	.0	.0	10.2	100.0
1215	5.1	8.7	44.9	37.0	2.9	.7	.7	10.1	100.0
1821	3.8	11.8	38.7	37.7	7.5	.5	.0	10.9	100.0
TOT	23	44	280	229	34	3	1	10.7	624
PCT	3.7	8.7	44.9	36.7	5.4	.5	.2	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)				TOTAL OBS	MEAN CLOUD COVER
	0-2	3-4	5-7	8 & OBS		
N	17.2	4.8	11.9	8.0	3.9	3.9
NE	4.6	1.5	2.4	2.6	4.0	4.0
E	1.0	.2	.4	.6	4.5	4.5
SE	.7	.7	1.0	.5	4.4	4.4
S	.4	.0	.6	.5	5.2	5.2
SW	1.6	.5	.9	.0	2.8	2.8
W	1.7	.4	1.5	.7	4.0	4.0
NW	12.0	4.0	7.4	5.2	3.7	3.7
VAR	.0	.0	.0	.0	.0	.0
CALM	2.5	.2	.7	.7	3.0	3.0
TOT OBS	185	55	120	83	443	3.8
TOT PCT	41.8	12.4	27.1	18.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/P)
AND OCCURRENCE OF NM <5/P BY WIND DIRECTION

CEG	PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/P) AND OCCURRENCE OF NM <5/P BY WIND DIRECTION										TOTAL OBS
	100 149	150 209	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+ ANY	
N	.7	.0	.2	.7	2.5	3.2	1.4	.6	1.0	1.0	30.4
NE	.2	.0	.1	.7	1.2	1.1	.1	.1	.1	.1	7.4
E	.0	.0	.0	.0	.2	.2	.0	.2	.0	.0	2.1
SE	.2	.0	.0	.5	.3	.2	.0	.0	.0	.0	1.6
S	.0	.0	.0	.4	.2	.2	.0	.0	.0	.0	.6
SW	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	2.7
W	.0	.0	.0	.2	.2	.4	.0	.0	.0	.0	7.4
NW	.5	.0	.2	.0	2.8	7.3	.3	.3	.8	.1	21.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.2	.2	.2	.0	.2	.0	.0	3.2
TOT OBS	8	0	2	12	34	35	8	6	5	32	443
TOT PCT	1.8	.0	.5	2.9	7.7	7.4	1.8	1.4	1.2	1.1	73.4

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/P) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>OR>6500	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
>OR>5000	3.9	4.2	4.2	4.2	4.2	4.2	4.2	4.2
>OR>3500	5.3	5.9	5.9	5.9	5.9	5.9	5.9	5.9
>OR>2000	12.7	14.0	14.0	14.0	14.0	14.0	14.0	14.0
>OR>1000	19.9	22.3	22.3	22.3	22.3	22.3	22.3	22.3
>OR>600	22.5	24.9	24.9	24.9	24.9	24.9	24.9	24.9
>OR>300	23.0	25.4	25.4	25.4	25.4	25.4	25.4	25.4
>OR>150	23.0	25.4	25.4	25.4	25.4	25.4	25.4	25.4
>OR>0	24.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
TOTAL	110	124	124	124	124	124	124	124

TOTAL NUMBER OF OBS: 457

PCT FREQ NM <5/P: 72.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBS	TOTAL OBS
34.4	13.8	10.6	7.9	6.1	4.1	4.8	4.2	11.1	479

PERIOD: (PRIMARY) 1958-1979
(OVER-ALL) 1860-1979

DECEMBER

AREA CODE: MAZATLAN
22.6N 106.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
	TOT S	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.6	.4	.0	.0	.0	.0	.0	.4	.0	.0	.0	1.0
	TOT S	.6	.4	.0	.0	.0	.0	.0	.4	.0	.0	.0	1.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.2	.0	.0	.2	.0	.0	.4	.0	.0	.4	
	NO PCP	2.1	.9	.6	.2	.4	.2	.4	2.5	.0	.4	7.6	
	TOT S	2.1	1.1	.6	.2	.6	.2	.4	2.9	.0	.4	8.0	
10+	PCP	.3	.2	.0	.0	.0	.0	.0	.2	.0	.0	.4	
	NO PCP	38.2	8.6	2.9	3.1	1.0	2.6	4.7	24.3	.0	3.2	88.9	
	TOT S	38.6	8.8	2.9	3.1	1.0	2.6	4.7	24.5	.0	3.2	89.3	
TOT OBS													
TOT PCT													
512													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
1/2<1	0-3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
	4-10	.3	.4	.0	.0	.0	.0	.0	.5	.0	.0	.0	1.1
	11-21	.1	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.4
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.6	.4	.0	.0	.0	.0	.0	.7	.0	.0	.0	1.7
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.3	.4	.0	.0	.0	.2	.0	.6	.0	.4	.4	1.9
	4-10	1.2	.4	.4	.0	.6	.0	.4	1.2	.0	.0	.0	4.1
	11-21	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	2.1
	22+	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2
	TOT S	2.0	1.2	.6	.2	.6	.2	.4	2.8	.0	.4	.4	8.2
10+	0-3	1.9	.4	.4	.6	.1	.4	1.1	1.9	.0	3.2	.4	9.9
	4-10	13.6	9.8	2.1	2.1	.7	1.4	3.1	12.9	.0	.0	.0	41.7
	11-21	19.7	2.7	.3	.0	.2	.7	.3	8.7	.0	.0	.0	32.7
	22+	3.8	.0	.0	.2	.0	.0	.0	1.6	.0	.0	.0	5.6
	TOT S	39.0	6.9	2.8	2.9	1.0	2.5	4.5	26.0	.0	3.2	.4	89.9
TOT OBS													
TOT PCT													
535													

DECEMBER

PERIOD: (PRIMARY) 1938-1979
(OVER-ALL) 1860-1979

AREA 0004 HAZATLAN
22.64 108.04

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000Z	.0	.0	.0	2.1	10.3	9.3	3.1	2.1	2.1	5.1	32.0	68.0	97
0600Z	2.2	.0	.0	1.5	8.8	5.9	1.5	.7	1.5	.7	22.0	77.2	136
1201Z	3.4	.0	1.7	1.7	6.7	11.0	1.7	.8	1.7	.0	29.4	70.6	119
1802Z	.8	.0	.0	5.0	6.6	5.0	.8	1.7	1.7	.8	22.3	77.7	121
TOT	8	0	2	12	38	37	8	6	8	5	124	349	473
PCT	1.7	.0	.4	2.5	8.0	7.8	1.7	1.3	1.7	1.1	26.2	73.4	100.0

TABLE 11

PERCENT FREQUENCY VSPY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000Z	.0	2.5	.0	.0	11.7	85.8	120
0600Z	.6	.0	.0	.0	5.8	93.5	155
1201Z	.0	1.5	.0	.0	11.1	87.4	135
1802Z	.0	4.8	.0	.0	6.8	88.4	147
TOT	1	12	0	0	48	496	557
PCT	.2	2.2	.0	.0	8.6	89.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSPY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <4	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000Z	.0	.0	2.1	30.7	67.7	96
0600Z	2.3	3.1	4.6	20.0	75.4	130
1201Z	3.5	5.2	7.0	23.5	69.6	115
1802Z	.9	.9	6.0	17.2	76.7	116
TOT	8	11	23	102	332	457
PCT	1.8	2.4	5.0	22.3	72.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.2	.2	.0	.0	.0	2	.5
80/84	.0	.0	.0	.0	1.5	1.0	.2	.0	11	2.7
75/79	.0	.0	.0	1.0	4.7	14.9	6.7	1.7	117	29.1
70/74	.0	.0	.0	.7	10.0	18.4	19.4	4.2	212	52.7
65/69	.0	.0	.0	.5	2.5	4.7	4.0	2.2	56	13.9
60/64	.0	.0	.0	.0	.7	.2	.0	.0	4	1.0
TOTAL	0	0	0	10	79	158	122	33	402	100.0
PCT	.0	.0	.0	2.5	19.7	39.3	30.3	8.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.2	.0	.0	.0	.0	.0	.0	.2	.0	.0
80/84	1.4	.1	.0	.2	.0	.0	.0	1.0	.0	.0
75/79	12.9	3.9	1.2	.8	.6	1.1	1.2	6.3	.0	1.0
70/74	21.6	4.7	1.3	.9	.9	1.7	2.9	15.9	.0	2.7
65/69	7.0	.9	.2	.5	.0	.5	.4	4.1	.0	.2
60/64	.7	.0	.0	.0	.0	.0	.3	.0	.0	.0
TOTAL	43.8	9.7	2.7	2.4	1.6	3.3	4.5	27.9	.0	4.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	85	84	79	74	68	64	63	73.7	126
0600Z	79	78	73	73	67	65	61	72.6	158
1201Z	80	78	77	72	66	64	63	71.6	147
1802Z	86	83	81	74	68	65	65	74.2	213
TOT	86	82	79	73	67	64	61	73.1	644

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	1.2	20.7	47.4	26.8	3.7	75		82	
0600Z	.0	1.7	12.4	34.7	42.1	9.1	79		121	
1201Z	.0	.9	13.4	38.0	32.4	14.0	79		100	
1802Z	.0	5.8	31.7	38.5	17.3	6.7	73		104	
TOT	0	10	80	162	126	37	77		415	

DECEMBER

PERIOD: (PRIMARY) 1938-1976
(OVER-ALL) 1860-1979

AREA 0004 MAZATLAN
22.64 108.04

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	N FOG	NO FOG
11/13	.0	.0	.0	.2	.0	.0	.2	2	.0	.4
9/10	.0	.0	.0	.2	.2	.0	.0	2	.0	.4
7/8	.0	.0	.0	.4	.2	.0	.0	3	.0	.6
6	.0	.0	.4	.2	.0	.2	.0	4	.0	.9
5	.0	.0	.4	.6	.4	.0	.0	7	.0	1.5
4	.0	.0	.0	.2	.6	.4	.0	6	.0	1.3
3	.0	.0	.2	.6	.6	.0	.0	7	.0	1.5
2	.0	.0	.9	1.3	1.1	.9	.0	19	.0	4.1
1	.0	.0	.6	1.1	1.1	.0	.0	13	.0	2.8
0	.0	.0	1.3	3.5	2.6	.4	.0	36	.2	7.6
-1	.0	.0	1.9	3.2	2.8	.0	.0	37	.2	7.8
-2	.0	.0	1.9	4.8	1.3	.0	.0	37	.4	7.6
-3	.0	.4	3.9	6.0	1.7	.0	.0	56	.6	11.4
-4	.0	.4	5.4	4.5	1.5	.0	.0	55	.0	11.9
-5	.0	.6	4.1	6.5	.9	.0	.0	51	.0	12.1
-6	.0	1.9	3.0	1.5	.2	.0	.0	31	.0	6.7
-7/-8	.0	7.6	4.1	2.6	.6	.0	.0	46	.0	9.9
-9/-10	.6	1.9	2.8	.4	.0	.0	.0	27	.0	5.8
-11/-13	.2	1.7	1.7	.2	.0	.0	.0	18	.0	3.9
-14/-16	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	4	46	177	74	9	1	463	100.0	1.5	98.5
PCT	.9	9.9	32.8	30.2	16.0	1.9	.2			

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.8	.0	.0	.0	.0	2.8	.0	2.6	.0	.0	.0	.0	2.6
1-2	.0	8.7	3.2	.0	.0	.0	11.9	.8	4.6	.0	.0	.0	.0	5.4
3-4	.0	4.0	6.9	.0	.0	.0	11.7	.0	1.4	2.4	.0	.0	.0	3.4
5-6	.0	1.2	6.0	.0	.0	.0	7.1	.0	.0	.4	.0	.0	.0	.8
7	.0	.0	2.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.6	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	16.7	16.7	1.4	.0	.0	37.3	.8	8.5	2.4	.0	.0	.0	12.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	1.8
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.6	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.8	1.6	.0	.0	.0	2.4	.0	2.6	.8	.0	.0	.0	3.4

PERIOD: (OVER-ALL) 1963-1979

DECEMBER

AREA CODE: MAZATLAN
22.6N 108.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							SW						
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.6	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.2	.0	.0	.0	.0	1.2	.0	1.2	.0	.0	.0	.0	1.2

HGT	S							SW							TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	1.6	2.4	.0	.0	.0	.0	4.0	1.6	1.0	.0	.0	.0	.0	2.6	97.6
1-2	.0	2.2	.0	.0	.0	.0	2.2	.0	7.5	4.0	.0	.0	.0	11.5	
3-4	.0	.6	.0	.0	.0	.0	1.6	.0	6.5	3.8	.0	.0	.0	10.3	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	2.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	2.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	2.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.6	5.2	.0	.0	.0	.0	7.5	1.6	17.1	11.9	1.8	.0	.0	32.5	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.6	11.1	.0	.0	.0	.0	16.7	126
1-2	.0	24.6	7.9	.0	.0	.0	33.3	
3-4	.0	14.3	15.1	.0	.0	.0	30.2	
5-6	.0	1.6	8.7	.0	.0	.0	10.3	
7	.0	.0	4.0	.0	.0	.0	5.6	
8-9	.0	.0	.0	.0	.0	.0	3.2	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.3	53.2	36.5	3.2	.0	.0	100.0	

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.8	17.9	21.2	7.3	3.0	1.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	223	3
6-7	.0	2.5	6.3	10.1	3.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	97	5
8-9	.0	.5	.0	1.5	.0	.3	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	5
10-11	.0	.3	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
12-13	.0	.0	.0	.0	.0	.5	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	6
>13	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
INDET	8.3	1.6	1.9	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	51	1
TOTAL	92	91	121	77	30	17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	346	3
PCT	13.1	23.0	30.6	19.4	7.6	4.3	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1989-1979
(OVER-ALL) 1989-1979

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AREA 0000 MAZATLAN
72.64 107.96

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUS	DUST SNOW	NO SIG WFA
N	1.7	0	1.3	0.0	0.0	0.0	0.0	2.8	.5	2.7	.6	0.0	1.5	0	0	92.0
NE	1.7	0.0	1.3	0.0	0.0	0.0	0.0	3.0	1.0	3.2	.9	0.0	2.5	0.0	0	90.3
E	3.1	.5	1.3	0.0	0.0	0.0	0.0	5.0	3.5	1.4	1.5	.4	2.5	0.0	0	85.7
SE	1.2	1.0	1.3	0.0	0.0	0.0	0.0	3.5	2.1	1.7	.7	0.0	3.2	0.0	0	88.7
S	2.2	.3	.5	0.0	0.0	0.0	0.0	2.9	.7	3.9	.3	0.0	3.9	0.0	0	88.4
SW	1.6	0.0	.4	0.0	0.0	0.0	0.0	2.0	1.1	4.0	1.0	0.0	2.6	.2	0	89.5
W	.7	.2	.3	0.0	0.0	0.0	0.0	1.2	.1	2.5	.4	.2	1.1	0.0	0	94.5
NW	.4	.1	.3	0.0	0.0	0.0	0.0	.7	.7	2.7	.3	0	1.1	.1	0	94.5
VAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0
CALM	.4	0.0	0.0	0.0	0.0	0.0	0.0	.4	.4	2.1	1.3	0.0	2.0	.2	0	92.8
TOT PCT	1.1	.2	.6	.0	.0	.0	.0	1.9	.9	2.5	.6	0	2.0	.1	0	92.2
TOT OBS:	6601															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUS DUST	NO SIG	NO SIG WEA
0000	.3	.3	.4	.0	.0	.0	.0	.9	.6	.7	.6	.0	2.9	.1		94.2
0600	1.1	.3	.7	.0	.0	.0	.0	2.1	1.0	5.4	.2	.0	1.4	.1		90.0
1200	2.0	.3	.8	.0	.0	.0	.0	3.0	1.2	3.5	1.0	.1	1.2	.1		90.3
1800	1.0	.1	.5	.0	.0	.0	.0	1.6	.7	.2	1.0	.1	2.5	.0		93.8
TOT PCT	1.1	.2	.6	.0	.0	.0	.0	1.9	.9	2.5	.7	0	2.0	.1		92.1
TOT OBS:	6778															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						40+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
	0-3	4-10	11-21	22-33	34-47						00	03	06	09	12	15
N	2.3	8.7	7.1	1.1	.1	0	0	19.4	9.1	18.8	14.5	17.0	6.0	20.1	17.3	22.0
NE	.9	2.9	1.1	.1	0	0	0	5.0	7.6	4.3	2.0	3.9	2.5	4.8	6.7	6.2
E	1.1	2.6	.5	.1	.1	0	0	4.4	7.2	3.8	2.7	3.0	4.5	5.6	6.8	5.1
SE	1.7	4.4	1.1	.2	.1	0	0	7.5	7.2	6.3	9.4	6.2	9.1	7.0	7.7	9.2
S	1.6	4.6	1.5	.2	0	0	0	7.9	7.5	8.9	4.8	7.6	10.7	7.5	6.7	8.3
SW	1.4	5.2	1.7	0	0	0	0	8.3	7.3	9.4	7.8	8.5	12.1	7.1	9.7	8.2
W	2.4	8.7	2.7	.1	0	0	0	14.0	7.7	18.4	19.7	14.5	17.1	12.7	18.1	11.3
NW	3.0	15.4	8.1	.9	.1	0	0	25.6	9.4	28.0	34.2	30.4	25.3	25.0	23.4	22.0
VAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	7.9							7.9	0	5.3	4.8	9.0	5.3	10.2	3.8	7.8
TOT OBS								7793	8.3	1546	132	1836	54	1686	157	2336
TOT PCT	22.3	50.7	23.4	2.7	.4	.1		100.0		100.0	100.0	100.0	91.7	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					40+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40						00	03	06	12
N	6.2	9.7	3.1	.3	0	0	19.4	9.1	18.8	14.5	17.0	6.0	21.0
NE	2.4	2.3	.3	0	0	0	5.0	7.6	4.3	2.0	3.9	2.5	6.1
E	2.5	1.6	.2	0	.1	0	4.4	7.2	3.8	2.7	3.0	4.5	5.0
SE	3.9	2.9	.5	.2	0	0	7.5	7.2	6.3	9.4	6.2	9.1	9.2
S	3.9	3.4	.6	.1	0	0	7.9	7.5	8.9	4.8	7.6	10.7	8.4
SW	4.1	3.8	.3	0	0	0	8.3	7.3	9.4	7.8	8.5	12.1	8.1
W	6.6	6.6	.7	0	0	0	14.0	7.7	18.4	19.7	14.5	17.1	11.3
NW	8.7	12.7	2.9	.2	0	0	25.6	9.4	28.0	34.2	30.4	25.3	22.2
VAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	7.9						7.9	0	5.3	4.8	9.0	5.3	7.8
TOT OBS							7793	8.3	1546	132	1836	54	2332
TOT PCT	46.3	44.1	8.5	.9	.2		100.0		100.0	100.0	100.0	100.0	100.0

AREA CODE HAZATLAN
22.6N 107.9E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND			SPEED			KNOWTS			MM	MEAN	PCT FREQ	TOTAL OPS
		1-3	4-10	11-21	22-33	34-47	48-67							
0000Z	5.3	11.9	51.1	28.1	3.2	.4	.1	9.1	100.0	1678				
0600Z	8.0	11.0	52.3	23.6	2.8	.6	.0	8.4	100.0	1890				
1200Z	9.7	15.2	51.0	21.6	2.4	.5	.2	7.6	100.0	1863				
1800Z	7.9	17.5	49.0	22.5	2.9	.3	.1	7.5	100.0	2367				
TOT								6.3		7797				
PCT	7.9	14.4	50.7	23.8	2.4	.4	.1	10.0						

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FY,NM) (N/P)
AND OCCURRENCE OF NM (S/P) BY WIND DIRECTION

WIND DIR	WIND SPEED				TOTAL OBS	MEAN CLOUD COVER	TEMPERATURE										WET BULB GLOBE TEMP	TOTAL OBS
	0-2	3-4	5-7	8 & OVER			FOO 149	150 299	300 599	600 999	1000 1999	2000 3999	3500 4999	5000 6499	6500 7999	ACROSS ALL			<5/F ABOVE 61
N	9.4	3.4	4.3	2.0	3.1	.1	0	0	.4	.4	1.0	.6	.1	.2	.1	18.1		
NE	2.2	.9	1.2	.6	3.4	0	0	0	.2	.3	.2	.1	0	0	0	3.0		
E	1.1	.9	1.4	.6	4.2	.0	0	0	.4	.5	.2	.1	0	0	0	7.1		
SE	2.4	1.5	2.2	1.2	4.0	.1	0	.2	.5	.7	.3	.1	.1	0	0	5.0		
S	3.0	1.5	2.2	1.1	3.7	.1	0	.1	.3	.9	.4	.2	0	.1	.0	5.4		
SW	3.7	1.7	1.7	.7	3.3	.1	0	.1	.7	.6	.3	.2	.1	0	0	6.4		
W	6.6	3.0	3.5	1.1	3.1	0	0	.1	.3	.7	.5	.2	.1	.1	0	11.7		
NW	13.4	4.4	5.7	2.2	3.0	.1	.1	.1	.6	1.5	1.2	.5	.2	.1	.2	21.0		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	5.1	1.1	1.7	.4	2.4	.1	0	0	.1	.4	.4	.1	.1	0	.0	7.1		
TOT OBS					5466											5466		
TOT PCT	47.7	14.4	21.9	10.0	100.0			.43	.17	3.0	6.4	4.4	2.1	.7	.4	100.0		

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (INM 20/81) AND VSBY (INM)

	VSBY (NMI)							
	CEILING (FEET)	≥ OR ≥ 10	OR ≥ 5	OR ≥ 2	OR ≥ 1	OR ≥ 1/2	OR ≥ 1/4	OR ≥ 0
≥ OR ≥ 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ OR ≥ 5000	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ OR ≥ 3500	3.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8
≥ OR ≥ 3000	7.5	8.1	8.2	8.2	8.2	8.2	8.2	8.2
≥ OR ≥ 1000	12.9	14.3	14.6	14.6	14.7	14.7	14.7	14.7
≥ OR ≥ 500	15.3	17.3	17.6	17.7	17.7	17.7	17.7	17.7
≥ OR ≥ 250	15.3	18.3	18.5	18.5	18.5	18.5	18.5	18.5
≥ OR ≥ 150	15.9	18.1	18.5	18.6	18.6	18.7	18.7	18.7
≥ OR ≥ 0	16.2	18.6	19.1	19.2	19.2	19.2	19.3	19.3

PCT FREQ NH C5/P1 PD.7

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

	D	1	2	3	4	5	6	7	8 ORSCP	TOTAL OBS
	10.5	10.7	13.9	10.7	6.3	5.0	9.9	9.0	5.4	90.3

PERIOD: (PRIMARY) 1900-1979
(OVER-ALL) 1850-1979

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AREA CODE: PZATLAN
22.64 107.94

TABLE 2

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSPT (MP)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
	NO PCP	.1	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.3
	TOT %	.1	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.3
1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
2<5	PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2
	NO PCP	.1	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.5
	TOT %	.1	.0	.1	.2	.1	.1	.1	.1	.0	.0	.0	.7
5<10	PCP	.1	.0	.1	.1	.1	.2	.1	.1	.0	.0	.0	.8
	NO PCP	1.1	.5	.5	.7	.7	1.0	1.2	2.0	.0	.0	.0	8.3
	TOT %	1.2	.5	.5	.8	.8	1.1	1.2	2.1	.0	.0	.0	9.1
10+	PCP	.2	.1	.1	.2	.1	.0	.1	.0	.0	.0	.0	.8
	NO PCP	17.4	4.3	3.7	6.1	6.8	6.8	13.2	23.2	.0	.0	.0	89.6
	TOT %	17.6	4.4	3.8	6.3	6.9	6.9	13.2	23.2	.0	.0	.0	90.4
TOT OBS													6554
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSPT (MP)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.1	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.3
1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
	4-10	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2
	11-21	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.3
	22+	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2
	TOT %	.1	.1	.1	.2	.1	.1	.1	.1	.0	.0	.0	.9
5<10	0-3	.3	.2	.2	.2	.1	.2	.2	.3	.0	.7	.2	2.3
	4-10	.5	.3	.2	.4	.4	.7	.9	1.1	.0	.0	.0	4.6
	11-21	.2	.1	.1	.2	.3	.2	.2	.6	.0	.0	.0	1.9
	22+	.1	.0	.0	.1	.1	.1	.0	.1	.0	.0	.0	.6
	TOT %	1.2	.5	.6	.8	.8	1.1	1.3	2.1	.0	.7	.2	9.2
10+	0-3	1.7	.6	.8	1.3	1.3	.9	2.2	2.6	.0	.7	.2	16.6
	4-10	6.0	2.7	2.4	3.8	4.1	4.4	8.3	12.7	.0	.0	.0	46.7
	11-21	6.9	1.1	.5	.9	1.3	1.5	2.6	7.3	.0	.0	.0	22.2
	22+	1.0	.0	.1	.1	.1	.0	.1	.7	.0	.0	.0	2.3
	TOT %	17.6	4.3	3.7	6.2	6.9	6.8	13.2	23.2	.0	.0	.0	89.3
TOT OBS													6723
TOT PCT													100.0

PERIOD: (PRIMARY) 1959-1979
(OVER-ALL) 1959-1979

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AREA 0004 PAZATLAN
22.64 107.96

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, AM 34/8) AND
OCCURRENCE OF AM 35/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	AM 35/8 ANY HGT	TOTAL OBS
00003	.1	.2	.8	2.2	5.3	4.6	2.6	.4	.6	.6	17.4	8.6	1371
06009	.7	.1	.8	2.6	6.3	3.7	1.2	.8	.5	.4	17.1	82.9	1602
12015	1.1	.3	.9	3.7	7.7	5.8	1.7	.8	.5	.4	22.9	77.1	1451
18021	.4	.3	.3	3.3	6.0	3.2	2.7	.8	.9	.2	16.2	81.8	1344
TOT													5768
PCT	.6	.2	.7	2.9	6.3	4.3	2.0	.7	.6	.4	19.8	81.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	0	.6	.1	.2	9.2	89.7	1637
06009	.2	.1	.1	.6	9.7	89.3	1876
12015	.3	.5	.2	1.5	11.9	85.6	1779
18021	.1	.5	.1	1.1	7.1	91.2	1609
TOT							6901
PCT	.1	.4	.1	.9	9.4	89.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, AM 34/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1000	<1000 <5000	1000+ AND 5+	AM 35/8 AND 5+	TOTAL OBS
00003	.1	1.3	3.6	14.3	82.1	1371
06009	.8	1.8	4.9	13.0	82.1	1540
12015	1.2	2.7	7.6	17.1	75.3	1394
18021	.4	.9	4.8	13.9	81.3	1304
TOT						5564
PCT	.6	1.7	5.2	14.4	80.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	0	.1	.0	.0	.0	.1	
90/94	.0	.0	0	.2	.6	.3	.2	.1	1.3	
85/89	.0	.0	.1	.4	1.6	4.3	2.2	.5	9.0	
80/84	.0	0	.1	.3	3.5	9.0	10.3	2.7	26.0	
75/79	.0	0	.2	.8	2.7	8.5	6.1	3.2	21.6	
70/74	.0	.0	.1	.8	3.5	7.8	9.5	4.1	25.8	
65/69	.0	.0	0	.5	1.5	4.5	4.9	3.0	16.3	
60/64	.0	.0	.0	.1	.5	.3	.5	.4	1.8	
TOTAL									5420	100.0
PCT	.0	0	.5	3.0	13.9	34.7	33.7	14.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	WN	VAR	CALP
95/99	0	.0	.0	0	.0	.0	0	0	.0	.0
90/94	.2	.0	.1	.2	.3	.1	.1	.2	.0	.1
85/89	.9	.5	.5	1.1	1.2	1.1	1.5	1.4	.0	.9
80/84	2.9	.9	1.6	3.5	3.2	2.4	3.7	5.5	.0	2.2
75/79	4.0	1.2	1.2	1.4	1.5	2.1	3.1	5.2	.0	1.0
70/74	6.1	1.4	.8	.9	1.3	1.8	3.2	6.2	.0	2.1
65/69	4.7	.6	.3	.3	.4	.7	1.7	4.6	.0	1.1
60/64	.7	.1	0	0	0	.0	.1	.7	.0	.1
TOTAL	19.6	4.7	4.4	7.4	7.9	8.2	13.8	25.9	.0	8.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	PAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	97	89	85	79	72	64	63	77.5	1694
06009	100	83	80	76	70	60	60	74.7	1938
12015	92	82	79	75	69	67	60	73.7	1884
18021	95	87	85	78	72	69	60	78.2	2336
TOT	100	87	83	76	71	68	60	76.1	7852

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	5.3	21.0	39.6	24.8	7.3	75	1763
06009	.0	1.8	7.4	32.0	41.4	16.9	81	1621
12015	.0	1.9	6.9	28.4	40.8	22.0	82	1388
18021	.0	6.0	21.4	39.8	23.6	9.2	75	1274
TOT	0	210	769	1919	1852	601	78	5450

PERIOD: (PRIMARY) 1969-1979
(OVER-ALL) 1959-1979

ANNUAL

AREA 0004 PAZATLAN
22.64 107.96

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH-OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93	TOT	N FOG	NO FOG
23/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	.0	.0
17/19	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	10	.0	.1
14/16	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	17	.0	.3
11/13	.0	.0	.0	.0	.1	.1	.3	.3	.1	.1	54	.0	.9
9/10	.0	.0	.0	.1	.2	.2	.2	.2	.2	.0	66	.0	1.0
7/8	.0	.0	.0	.1	.3	.5	.4	.3	.3	.1	121	.0	2.0
6	.0	.0	.0	.2	.2	.3	.3	.2	.2	.0	84	.0	1.4
5	.0	.0	.0	.2	.3	.7	.4	.4	.2	.0	139	.0	2.2
4	.0	.0	.1	.2	.5	.5	.5	.5	.2	.0	180	.0	2.6
3	.0	.0	.1	.4	.5	.7	.6	.6	.1	.0	190	.0	3.1
2	.0	.0	.1	.6	.9	.8	1.1	1.0	.3	.0	307	.0	4.9
1	.0	.0	.3	1.1	1.5	.9	1.1	1.2	.1	.0	305	.1	6.1
0	.0	.0	.6	1.9	2.1	1.2	2.6	1.3	.1	.0	612	.1	9.8
-1	.0	.0	.9	1.8	1.6	1.4	2.5	.8	.0	.0	563	.0	9.0
-2	.0	.1	1.5	2.3	2.1	2.1	3.4	.8	.0	.0	753	.1	12.2
-3	.0	.1	1.5	2.2	1.8	1.8	2.4	.5	.0	.0	637	.1	10.2
-4	.0	.3	1.3	2.2	1.8	1.9	2.4	.3	.0	.0	625	.0	10.2
-5	.0	.3	1.1	2.0	1.5	2.2	1.8	.2	.0	.0	557	.1	9.1
-6	.0	.3	.9	1.2	.9	1.2	.6	.1	.0	.0	323	.0	5.2
-7/-8	.0	.3	.9	1.3	1.1	1.1	.6	.0	.0	.0	325	.0	5.3
-9/-10	.0	.2	.5	.7	.4	.3	.1	.0	.0	.0	139	.0	2.3
-11/-13	.0	.1	.4	.4	.3	.2	.0	.0	.0	.0	84	.0	1.4
-14/-16	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	8	.0	.1
TOTAL											6163		
PCT	.0	1.7	10.6	19.1	18.2	18.2	21.3	8.7	1.8	.3	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.4	.2	.0	.0	.0	2.2	.1	.6	.1	.0	.0	.0	.8
1-2	.6	4.7	1.4	.0	.0	.0	6.9	.3	1.8	.4	.0	.0	.0	2.5
3-4	.1	2.0	2.8	.2	.0	.0	5.0	.0	.6	.6	.0	.0	.0	1.3
5-6	.0	.6	2.4	.2	.1	.0	3.3	.0	.0	.2	.0	.0	.0	.2
7	.0	.1	.8	.3	.0	.0	1.2	.1	.0	.0	.1	.0	.0	.1
8-9	.0	.0	.3	.1	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	8.8	4.0	.8	.1	.0	19.3	.5	3.0	1.4	.1	.0	.0	5.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.6	.0	.0	.0	.0	1.2	.4	.6	.0	.0	.0	.0	1.0
1-2	.3	1.5	.6	.0	.0	.0	2.4	.5	2.0	.4	.0	.0	.0	3.0
3-4	.0	.2	.3	.0	.0	.0	.5	.0	.9	.4	.0	.0	.0	1.2
5-6	.0	.1	.1	.0	.0	.0	.2	.0	.0	.4	.0	.0	.0	.5
7	.0	.1	.1	.0	.0	.0	.2	.0	.1	.1	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	2.4	1.7	.1	.1	.1	4.8	.9	3.6	1.3	.2	.0	.0	6.0

PERIOD: (OVER-ALL) 1963-1979

ANNUAL
TABLE 18 (CONT)

AREA OFC: HAZATLAN
72.6% 107.9%

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S														N														TOTAL				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL	PCT								
<1	.3	.8	.0	.0	.0	.0	1.0	.4	1.2	.0	.0	.0	.0	1.6	<1	.8	1.7	.3	.0	.0	.0	2.6	2.6	<1	.8	1.7	.3	.0	.0	.0	2.6	2.6
1-2	.6	2.5	.6	.0	.0	.0	3.7	.4	3.1	.7	.0	.0	.0	4.3	1-2	1.5	3.6	.9	.0	.0	.0	6.0	6.0	1-2	1.5	3.6	.9	.0	.0	.0	6.0	6.0
3-4	.0	1.0	.5	.1	.0	.0	1.6	.1	1.1	.5	.0	.0	.0	2.1	3-4	.3	2.2	1.2	.1	.0	.0	3.0	3.0	3-4	.3	2.2	1.2	.1	.0	.0	3.0	3.0
5-6	.0	.0	.3	.1	.0	.0	.4	.0	.2	.2	.0	.0	.0	.4	5-6	.0	.1	.4	.1	.0	.0	.6	.6	5-6	.0	.1	.4	.1	.0	.0	.6	.6
7	.0	.0	.3	.0	.0	.0	.3	.0	.0	.1	.0	.0	.0	.0	7	.0	.2	.7	.0	.0	.0	.1	.1	.1	.0	.1	.1	.0	.0	.0	.1	.1
8-9	.0	.0	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	8-9	.0	.1	.2	.7	.0	.0	.1	.1	.1	.0	.1	.2	.7	.0	.0	.1	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	4.3	1.0	.3	.1	.0	7.3	1.0	5.7	2.1	.0	.0	.0	8.7	TOT PCT	2.5	9.9	2.9	.1	.0	.0	15.4	15.4	TOT PCT	2.5	9.9	2.9	.1	.0	.0	15.4	15.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	12.4	6.6	.7	.0	.0	.0	21.7	885
1-2	6.1	28.2	7.6	.0	.0	.0	41.9	
3-4	.6	11.1	9.5	.6	.0	.0	21.9	
5-6	.1	1.6	5.9	.5	.2	.0	8.3	
7	.1	.7	2.5	.6	.1	.0	4.0	
8-9	.0	.1	.5	.6	.1	.1	1.3	
10-11	.0	.0	.1	.2	.1	.0	.3	
12	.0	.0	.1	.1	.1	.0	.4	
13-16	.0	.0	.0	.0	.1	.0	.1	
17-19	.0	.0	.0	.0	.1	.0	.1	
20-22	.0	.0	.0	.0	.0	.1	.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	19.3	50.9	26.9	2.5	.7	.1	100.0	1506

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	9.9	22.2	17.5	6.7	2.0	.7	.3	.1	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2821	3
6-7	.2	3.0	7.7	5.8	2.0	1.0	.2	.1	.1	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	1894	4
8-9	.1	1.1	1.6	1.2	.7	.7	.3	.1	.2	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	302	5
10-11	.0	.9	.5	.3	.4	.2	0	.1	.1	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	121	5
12-13	.0	.0	.0	.4	.2	.1	.1	.1	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	90	6
>13	.0	0	.0	.4	.3	.1	.1	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	41	7
INDET	0.0	1.7	1.1	.5	.2	.1	0	.0	0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	638	1
TOTAL																				5174	3
PCT	14.9	29.7	29.1	15.3	5.5	2.8	1.0	.5	.5	.1	.1	0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PP) 1905-1979
(OVER-ALL) 1959-1979

TABLE 20

AREA CODE PAZATLAN
22.0N 107.9W

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TEMP DEC F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
83/84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
81/82	1.3	.0	.0	.0	.0	10.1	21.0	17.9	10.9	10.7	17.5	32.1	9.2	75.2
79/80	3.7	3.4	1.1	3.0	15.3	16.2	10.7	4.3	3.6	4.8	21.4	14.5	5.9	8.2
77/78	9.8	3.9	5.5	7.5	16.6	10.7	7.8	2.7	.8	1.2	11.2	15.3	6.5	4.3
75/76	16.4	10.7	11.8	21.4	19.9	12.4	3.7	.8	1.1	1.2	4.8	27.0	8.5	11.5
73/74	19.7	13.1	18.7	27.5	16.1	7.0	2.2	.4	.8	.5	1.2	14.9	8.5	11.1
71/72	19.0	17.9	22.1	20.4	8.2	7.3	.2	.2	.8	.2	.5	7.0	6.5	9.4
69/70	19.0	30.4	23.3	9.4	3.3	2.6	.4	.0	.0	.0	.0	2.4	6.2	8.7
67/68	9.1	14.1	9.2	4.5	1.4	1.5	.2	.0	.0	.0	.0	1.4	2.8	4.0
65/66	2.5	2.9	4.3	2.4	1.3	.5	.0	.0	.0	.0	.0	1.0	1.3	1.4
63/64	.9	2.2	1.7	2.2	.5	.5	.2	.0	.0	.0	.0	.2	.7	.8
61/62	.1	.4	.9	.4	.5	.2	.2	.0	.0	.0	.0	.2	.7	.3
59/60	.4	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.7	.1
57/58	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55/56	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53/54	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51/52	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25/26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23/24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19/20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17/18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13/14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9/10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7/8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5/6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3/4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	684	680	748	668	634	647	659	485	533	588	561	574	7261	100.0
MEAN	72.4	71.7	71.3	72.8	76.2	78.5	82.5	84.8	84.9	84.0	80.8	76.1	77.9	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL
										OPS
JAN	1014	1016	1016	1016	1016	1016	1016	1012	1016	619
FEB	1014	1016	1016	1016	1016	1016	1016	1016	1016	652
MAR	1017	1017	1017	1017	1017	1017	1017	1017	1017	764
APR	1012	1013	1013	1013	1013	1013	1013	1013	1013	591
MAY	1010	1012	1012	1012	1012	1012	1012	1012	1012	652
JUN	1009	1010	1012	1012	1012	1012	1012	1012	1012	607
JUL	1011	1011	1012	1013	1013	1013	1013	1013	1013	655
AUG	1010	1010	1012	1013	1013	1013	1013	1013	1013	678
SEP	1009	1009	1010	1010	1010	1010	1010	1010	1010	540
OCT	1011	1010	1013	1013	1013	1013	1013	1013	1013	615
NOV	1012	1012	1014	1014	1014	1014	1014	1012	1014	554
DEC	1014	1019	1016	1012	1015	1015	1016	1012	1015	552
ANN	1012	1012	1013	1013	1013	1013	1013	1013	1013	7076
OBS	1488	53	1760	55	1596	90	1401	40		

PERCENTILES

MO	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1007	1010	1011	1014	1015	1017	1023	1026
FEB	1005	1010	1011	1013	1015	1016	1022	1026
MAR	1001	1006	1010	1012	1014	1015	1023	1024
APR	999	1007	1008	1011	1013	1014	1021	1023
MAY	1000	1004	1007	1010	1011	1013	1015	1021
JUN	1001	1003	1006	1009	1011	1012	1015	1022
JUL	1001	1002	1007	1010	1012	1013	1016	1023
AUG	1000	1004	1007	1010	1011	1013	1016	1021
SEP	997	1001	1005	1008	1010	1012	1015	1023
OCT	1000	1001	1007	1010	1012	1013	1019	1024
NOV	1005	1008	1010	1012	1013	1015	1019	1022
DEC	1006	1008	1011	1013	1015	1016	1022	1024

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHRKE HAZE	SPRAY BLUG DUST	NO SIG WFA
N	.2	.1	.4	.0	.0	.0	.0	.7	.5	.1	.1	.0	.4	.C	98.2
NE	.6	.3	.8	.0	.0	.0	.0	1.6	.7	.1	.4	.0	.7	.1	96.5
E	3.7	.3	1.6	.0	.0	.0	.0	4.9	1.8	1.8	.2	.C	.6	.2	90.7
SE	3.2	.9	2.0	.0	.0	.0	.0	5.2	2.7	1.4	.4	.0	1.9	.4	87.8
S	1.5	1.5	.0	.0	.0	.0	.0	3.1	1.3	.0	.0	.0	.0	.C	95.6
SW	2.6	.0	1.3	.0	.0	.0	.0	4.0	3.1	.9	.C	.0	.9	.C	91.2
W	.9	.0	.1	.0	.0	.0	.0	.6	.9	.1	.0	.0	.8	.0	97.5
NW	.2	.2	.2	.0	.0	.0	.0	.7	.5	.2	.2	.0	.6	.C	98.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	.0	.0	.0	.C	.C
CALM	.3	.0	.0	.0	.0	.0	.0	.3	.9	1.0	.3	.0	2.5	.3	95.3
TOT PCT	.5	.2	.5	.0	.0	.0	.0	1.1	.7	.2	.2	.0	.6	.0	97.1
TOT OBS: 10105															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHRKE HAZE	SPRAY BLUG DUST	NO SIG WFA
0000	.5	.0	.7	.0	.0	.0	.0	1.1	.7	.0	.2	.0	.6	.0	97.3
0600	.4	.2	.2	.0	.0	.0	.0	.8	.6	.5	.1	.0	.6	.0	97.4
1200	.6	.2	.4	.0	.0	.0	.0	1.2	.6	.5	.3	.0	.7	.C	96.6
1800	.7	.3	.5	.0	.0	.0	.0	1.4	.8	.0	.1	.0	.8	.1	97.2
TOT PCT	.5	.2	.4	.0	.0	.0	.0	1.1	.7	.3	.2	.0	.6	.0	97.1
TOT OBS: 10292															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	2.3	20.6	18.0	1.4	.1	.0		42.3	11.2		42.2	47.3	40.4	49.4	40.0	47.8	44.8	43.1
NE	.9	7.6	4.8	.2	.0	.0		13.5	10.0		12.1	12.2	13.0	9.7	13.6	13.5	15.5	13.0
E	.6	2.9	.8	.1	.0	.0		4.0	8.3		3.1	1.6	4.3	1.8	4.4	3.0	4.6	3.3
SE	.4	1.3	.4	.0	.0	.0		2.2	7.7		2.2	1.1	2.3	1.6	1.4	2.5	2.4	4.6
S	.3	.6	.2	.0	.0	.0		1.1	7.0		1.3	.3	1.0	1.2	1.4	.2	1.1	.3
SW	.2	.7	.2	.0	.0	.0		1.1	7.3		1.5	2.9	.8	.6	1.1	1.5	1.0	.8
W	.8	1.0	1.1	.1	.0	.0		4.9	8.2		6.2	6.0	5.2	3.6	4.8	4.8	3.0	3.1
NW	1.8	14.7	9.5	.6	.0	.0		26.6	10.3		28.5	28.9	28.4	29.0	27.5	23.2	22.6	29.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.C	.0
CALM	4.2							4.2	.C		3.0	4.8	4.4	3.2	5.6	3.6	3.8	7.0
TOT OBS	1267	5629	3851	273	11	0	11031		9.9		2364	188	2459	124	2348	308	2888	162
TOT PCT	11.5	51.0	34.9	2.5	.1	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	8.8	28.9	6.4	.2	.0		42.3	11.2	42.2	40.9	40.9	44.7
NE	3.9	8.3	1.3	.1	.0		13.5	10.0	12.1	12.8	13.6	15.4
E	1.8	2.0	.2	.0	.0		4.0	8.3	3.0	4.2	4.3	4.6
SE	1.1	.9	.1	.0	.0		2.2	7.7	2.1	2.2	1.6	2.7
S	.6	.5	.0	.0	.0		1.1	7.0	1.2	1.0	1.2	1.1
SW	.6	.5	.0	.0	.0		1.1	7.3	1.6	.8	1.2	1.0
W	2.3	2.3	.3	.0	.0		4.9	8.2	6.2	5.1	4.8	3.8
NW	7.3	16.1	3.1	.1	.0		26.6	10.3	28.5	28.5	27.0	29.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.C	.C
CALM	4.2						4.2	.0	3.2	4.5	5.3	3.8
TOT OBS	3376	6345	1265	42	3	11031		9.9	2752	2583	2656	3040
TOT PCT	30.6	57.5	11.5	.4	.0		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000	3.2	6.9	46.8	39.7	3.2	.3	.0	10.6	100.0	2752
0600	4.5	6.1	54.5	32.4	2.4	.0	.0	9.6	100.0	2583
1200	5.3	7.0	52.0	32.0	2.0	.1	.0	9.4	100.0	2656
1800	3.8	6.4	50.3	35.2	2.3	.0	.0	9.8	100.0	3040
TOT	459	808	5629	3851	273	11	0	9.9		11031
PCT	4.2	7.3	51.0	34.9	2.5	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	18.3	6.6	11.4	3.9		3.4
NE	5.3	2.4	4.1	1.7		3.0
E	1.6	.7	1.1	.7		3.9
SE	.8	.4	.7	.4		4.1
S	.3	.3	.4	.2		4.3
SW	.4	.2	.4	.2		4.3
W	2.4	1.1	1.2	.4		3.2
NW	12.9	5.0	6.4	2.3		3.1
VAR	.0	.0	.0	.0		.0
CALM	2.2	.6	1.0	.3		2.9
TOT OBS	3640	1589	2203	815	8242	3.4
TOT PCT	44.2	19.2	26.7	9.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WIND DIR	000	100	200	300	400	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.1	.0	.1	1.3	3.0	1.8	.9	.1	.2	.3	34.4		
NE	.0	.0	.1	.5	1.4	.7	.4	.1	.1	.1	10.1		
E	.0	.0	.0	.2	.5	.2	.0	.0	.0	.0	3.0		
SE	.0	.0	.0	.1	.3	.1	.1	.0	.0	.0	1.6		
S	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.8		
SW	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.8		
W	.0	.0	.0	.7	.4	.3	.0	.0	.0	.0	4.0		
NW	.0	.0	.1	.8	1.7	.9	.5	.2	.1	.2	21.9		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.0	.0	.0	.1	.3	.1	.0	.0	.0	.0	3.5		
TOT OBS	25	6	33	290	644	354	176	42	32	49	6591	4242	
TOT PCT	.3	.1	.4	3.5	7.8	4.3	2.1	.5	.4	.4	80.0	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
= OR >5000	1.4	1.5	1.6	1.6	1.6	1.6	1.6	1.6
= OR >3500	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6
= OR >2000	7.5	7.6	7.9	7.9	7.9	7.9	7.9	7.9
= OR >1000	14.0	14.6	15.7	15.7	15.7	15.7	15.7	15.7
= OR >600	17.9	19.1	19.2	19.2	19.2	19.2	19.2	19.2
= OR >300	18.3	19.5	19.6	19.6	19.6	19.6	19.6	19.6
= OR >150	18.3	19.6	19.7	19.7	19.7	19.7	19.7	19.7
= OR >0	18.6	19.8	20.0	20.0	20.0	20.0	20.0	20.0
TOTAL	1552	1659	1669	1671	1671	1672	1673	1673

TOTAL NUMBER OF OBS: 8360

PCT FREQ NH <5/8: 80.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	OBSCD	TOTAL OBS
29.9	14.2	14.7	11.2	7.4	5.3	5.6	4.5	4.9	.2	8799	

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSDBY (NM)		N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	PCP	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
	NO PCP	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	0	0
	TOT S	0	.0	0	.0	.0	.0	.0	.0	.0	.0	0	0
1/2<1	PCP	.0	.0	0	0	.0	.0	.0	.0	.0	.0	0	0
	NO PCP	0	.0	.0	0	.0	.0	.0	.0	.0	.0	0	0
	TOT S	0	.0	0	0	.0	.0	.0	.0	.0	.0	0	0
1<2	PCP	0	0	0	0	.0	.0	.0	.0	.0	.0	0	0
	NO PCP	0	0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
	TOT S	0	0	0	0	.0	.0	.0	.0	.0	.0	0	.1
2<5	PCP	0	0	0	0	.0	.0	.0	0	.0	.0	0	0
	NO PCP	0	0	0	.0	.0	0	0	0	.0	.0	.1	.1
	TOT S	.1	0	0	0	.0	0	0	0	.0	.0	.2	.2
5<10	PCP	.1	.1	0	0	.0	0	0	0	.0	.0	.3	.3
	NO PCP	1.3	.4	.3	.2	0	0	.7	.9	.0	.2	3.9	5.9
	TOT S	1.4	.6	.3	.2	0	.1	.3	.9	.0	.2	4.1	6.2
10+	PCP	.2	.1	.1	.1	0	0	0	.1	.0	0	.7	.7
	NO PCP	40.8	12.6	3.6	1.9	1.1	1.0	4.7	25.6	.0	3.7	94.9	100.6
	TOT S	40.9	12.7	3.7	2.0	1.1	1.0	4.7	25.7	.0	3.7	95.6	101.3
TOT OBS													
TOT PCT		42.4	13.4	4.1	2.2	1.1	1.1	5.0	26.7	.0	3.9	100.0	100.73

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSDBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	0-3	0	.0	0	.0	.0	.0	.0	.0	.0	.0	0	0
	4-10	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
	11-21	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT S	.1	.0	0	.0	.0	.0	.0	.0	.0	.0	0	.1
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	0	0	.0	.0	.0	.0	.0	.0	0	0
	11-21	0	.0	0	0	.0	.0	.0	.0	.0	.0	0	0
	22+	.0	.0	0	0	.0	.0	.0	.0	.0	.0	0	0
	TOT S	0	.0	0	0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	0
	4-10	0	0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
	11-21	0	.0	0	0	.0	.0	.0	.0	.0	.0	.1	.1
	22+	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
	TOT S	0	0	0	0	.0	.0	.0	.0	.0	.0	.1	.1
2<5	0-3	0	0	.0	.0	.0	.0	0	0	.0	.0	0	0
	4-10	0	.1	0	0	.0	.0	0	0	.0	.0	.2	.2
	11-21	.1	0	0	0	.0	.0	.0	0	.0	.0	.1	.1
	22+	0	.0	0	.0	.0	0	.0	0	.0	.0	0	0
	TOT S	.1	.1	0	0	.0	0	.1	.0	.0	.0	.3	.3
5<10	0-3	.1	0	0	0	0	0	0	.1	.0	.2	.5	.5
	4-10	.6	.4	.2	.1	0	0	.1	.6	.0	.2	2.1	2.1
	11-21	.6	.2	.1	0	0	0	.1	.3	.0	.1	1.3	1.3
	22+	0	0	0	0	.0	.0	0	0	.0	.0	.1	.1
	TOT S	1.3	.6	.3	.2	0	.1	.3	.9	.0	.2	4.0	4.0
10+	0-3	2.2	.9	.6	.4	.3	.2	.7	1.6	.0	3.8	10.6	10.6
	4-10	19.7	7.1	2.3	1.2	.6	.7	2.9	14.1	.0	0	48.6	48.6
	11-21	17.6	4.6	.7	.4	.2	.1	1.0	9.3	.0	0	33.7	33.7
	22+	1.4	.2	.1	0	0	0	.1	.6	.0	0	2.4	2.4
	TOT S	40.8	12.8	3.7	2.0	1.1	1.0	4.6	25.6	.0	3.8	95.3	95.3
TOT OBS													
TOT PCT		42.4	13.4	4.1	2.2	1.1	1.1	4.9	26.6	.0	4.0	100.0	100.80

JANUARY

 PERIOD: (PRIMARY) 1953-1979
 (OVER-ALL) 1961-1979

 AREA 0605 PUERTO VALLARTA
 20.5N 107.4W

TABLE 10

 PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
 OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	400	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY MET	TOTAL OBS
00003	.3	.0	.4	3.6	7.5	4.1	1.9	.6	.4	.8	19.5	80.5	2257
06009	.5	.1	.2	3.0	6.1	3.6	1.6	.4	.5	.4	16.5	83.5	2044
12015	.3	.1	.6	3.4	8.5	4.2	1.9	.3	.2	.5	19.8	80.2	1958
18021	.2	.1	.3	3.6	8.1	4.7	2.9	.6	.4	.6	21.5	78.5	2421
TOT	29	6	34	294	657	362	180	42	32	49	1685	6995	8660
PCT	.3	.1	.4	3.4	7.6	4.2	2.1	.5	.4	.6	19.4	80.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NMI) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.1	.0	.1	.3	3.4	96.1	2701
06009	.1	.0	.1	.5	5.4	93.9	2579
12015	.1	.1	.1	.5	4.8	94.3	2598
18021	.1	.1	.2	.4	2.9	96.4	2991
TOT	10	5	13	46	445	10350	10669
PCT	.1	.0	.1	.4	4.1	95.2	100.0

TABLE 12

 CUMULATIVE PCT FREQ OF RANGES OF VSBY (NMI) AND/OR
 CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.2	.7	4.6	15.6	79.8	2169
06009	.6	.9	4.3	12.8	82.9	1970
12015	.3	1.1	4.9	16.0	79.1	1874
18021	.3	.7	4.5	17.6	77.9	2347
TOT	28	71	381	1305	6674	8360
PCT	.3	.8	4.6	15.6	79.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	0	.0	.0	0	0	.0	3	0
85/89	0	0	.2	.3	.2	.1	.0	.0	60	.7
80/84	.0	0	.3	1.7	2.6	.8	.1	.0	469	5.5
75/79	.0	0	1.2	4.1	13.7	9.3	2.5	.0	2642	31.0
70/74	.0	0	2.1	1.4	7.7	17.2	17.4	6.1	4252	50.0
65/69	.0	.0	0	.5	2.0	3.9	4.3	1.2	1022	12.0
60/64	.0	.0	0	0	.2	.2	.1	.0	59	.7
55/59	.0	.0	.0	0	0	.0	.0	.0	3	0
TOTAL	1	6	35	300	1364	3218	2721	865	8510	100.0
PCT	0	.1	.4	3.5	16.0	37.8	32.0	10.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	0	.0	.0	.0	.0	0	0	.0	.0
85/89	.3	.1	0	0	0	.0	0	.2	.0	0
80/84	1.7	.5	.3	.3	.1	.1	.4	1.7	.0	.3
75/79	12.5	3.7	1.5	.8	.4	.4	1.6	8.7	.0	1.4
70/74	22.7	7.1	1.8	1.0	.5	.5	2.1	12.5	.0	1.7
65/69	5.0	1.9	.6	.2	.1	0	.6	3.0	.0	.6
60/64	.3	.2	0	0	.0	0	.1	.1	.0	0
55/59	0	0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	42.4	13.5	4.2	2.3	1.2	1.1	4.9	26.3	.0	4.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	90	85	81	74	68	64	61	74.5	2762
06009	86	80	78	72	67	64	59	72.4	2618
12015	88	79	77	72	66	64	58	71.9	2460
18021	91	84	81	75	69	64	59	74.9	3073
TOT	91	83	80	73	68	64	58	73.5	11133

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	4.7	20.2	39.1	20.7	7.3	76	2161
06009	.0	2.7	10.4	35.6	37.7	13.7	79	2104
12015	0	1.7	11.7	32.1	40.5	14.1	80	2034
18021	.0	6.6	20.8	43.3	23.1	6.2	75	2365
TOT	1	347	1383	3270	2784	879	77	8664

JANUARY

PERIOD: (PRIMARY) 1963-1979
(OVER-ALL) 1863-1979AREA CODES PUERTO VALLARTA
7C.54 107.44

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOLT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	% FOG	% FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0	.0
11/13	.0	.0	.0	.0	.1	.0	.1	.1	.0	24	.0	.3
9/10	.0	.0	.0	.0	.1	.1	.1	.1	.0	38	.0	.4
7/8	.0	.0	.0	.1	.1	.2	.2	.1	.0	74	.0	.8
6	.0	.0	.0	.0	.1	.3	.2	.0	.0	62	.0	.7
5	.0	.0	.0	.2	.3	.4	.4	.0	.0	125	.0	1.3
4	.0	.0	.1	.2	.6	.9	.4	.0	.0	194	.0	2.1
3	.0	.0	.0	.1	.7	.8	.2	.0	.0	187	.0	2.0
2	.0	.0	.0	.6	1.7	1.6	.5	.0	.0	411	.0	4.4
1	.0	.0	.0	.7	2.2	1.9	.3	.0	.0	457	.0	4.9
C	.0	.0	.3	2.0	4.7	2.5	.4	.0	.0	935	.0	10.0
-1	.0	.0	.3	2.6	4.8	2.0	.2	.0	.0	933	.1	9.9
-2	.0	.0	.8	4.4	6.4	2.1	.1	.0	.0	1301	.0	13.9
-3	.0	.0	.6	4.4	4.5	1.6	.1	.0	.0	1053	.0	11.3
-4	.0	.1	1.4	5.7	4.0	1.4	.1	.0	.0	1208	.0	12.9
-5	.0	.1	1.1	4.2	3.2	.4	.0	.0	.0	885	.0	9.5
-6	.0	.1	.9	2.9	1.8	.3	.0	.0	.0	560	.0	6.0
-7/-8	.0	.1	1.3	2.8	1.7	.3	.0	.0	.0	585	.0	6.3
-9/-10	.0	.2	.7	1.0	.4	.0	.0	.0	.0	225	.0	2.4
-11/-13	.0	.1	.2	.2	.1	.0	.0	.0	.0	57	.0	.6
-14/-16	.0	.0	.0	.1	.0	.0	.0	.0	.0	17	.0	.2
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	5	75	760	3593	317	54	7			9362	19	9323
PCT	.1	.0	7.9	31.7	38.5	17.0	3.4	.6	.1	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.7	2.7	.2	.0	.0	.0	3.6	.3	1.0	.0	.0	.0	.0	1.3
1-2	1.0	11.2	4.2	.0	.0	.0	16.4	.6	4.2	1.8	.0	.0	.0	6.6
3-4	.1	6.0	8.7	.2	.0	.0	15.0	.1	2.1	2.7	.0	.0	.0	4.9
5-6	.0	.9	4.2	.3	.0	.0	5.4	.0	.4	1.0	.0	.0	.0	1.5
7	.0	.2	1.7	.4	.0	.0	2.3	.0	.0	.3	.1	.0	.0	.4
8-9	.0	.0	.7	.2	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	21.0	19.6	1.1	.0	.0	43.8	.4	7.7	5.8	.2	.0	.0	14.7

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.2	.7	.0	.0	.0	.0	1.0	.1	.4	.0	.0	.0	.0	.5
1-2	.3	2.1	.1	.0	.0	.0	2.5	.2	1.1	.1	.0	.0	.0	1.4
3-4	.0	.5	.3	.0	.0	.0	.8	.0	.1	.1	.1	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.3	.5	.0	.0	.0	4.3	.4	1.6	.7	.1	.0	.0	2.3

PERIOD: (OVER-ALL) 1963-1979

JANUARY

ARFA 000% PUERTO VALLARTA
20.54 107.46

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33-40	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41-48	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71-86	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT PCT	.2	.6	.7	.0	.0	.0	1.0	.2	.5	0	.0	.0	.0	.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33-40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41-48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71-86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT PCT	.1	3.2	1.1	.0	.0	.0	4.4	1.5	13.9	9.0	.1	.0	.0	25.4	96.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT DBS
<1	6.0	7.0	.5	.0	.0	.0	13.4	
1-2	3.3	28.7	8.8	.0	.0	.0	40.7	
3-4	.7	12.8	16.4	.4	.0	.0	30.2	
5-6	.0	2.1	7.4	.4	.0	.0	10.0	
7	.0	.5	2.8	.6	.0	.0	4.0	
8-9	.0	.1	.8	.2	.0	.0	1.1	
10-11	.0	.0	.2	.0	.0	.0	.3	
12	.0	.0	.0	.0	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.0	51.3	36.9	1.0	.1	.0	100.0	20%

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
6	5.1	22.4	18.6	7.8	2.2	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4195
6-7	.2	2.4	7.5	6.2	2.8	1.0	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1901
8-9	.1	.7	1.9	2.2	1.4	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	922
10-11	.0	.7	.9	.7	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	229
12-13	.0	.0	.8	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	140
13	.0	.0	.0	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	61
140FT	.0	1.9	1.2	.9	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	665
TOTAL	750	2860	2263	1365	529	202	98	28	4	4	1	0	0	0	0	0	0	0	0	0	7532
PCT	10.1	28.1	30.9	18.6	7.2	2.6	1.3	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHUR	DRZL	FR26 PCPN	SNOW	OTHER PR2N PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SPOKE MAZE	SPRAY BLUG DUST	NO SIG WEA
N	.4	0	.2	.0	.0	.0	.0	.6	.3	.1	.0	.0	.5	.0	98.5
NE	.5	.4	1.1	.0	.0	.0	.0	2.0	.6	.1	.0	.0	.6	.0	96.7
E	2.6	.0	1.2	.0	.0	.0	.0	3.4	1.8	.4	.0	.0	.7	.0	93.4
SE	3.2	.0	.7	.0	.0	.0	.0	4.0	.9	.0	.0	.0	.6	.0	94.5
S	2.1	.0	.6	.0	.0	.0	.0	2.7	.0	1.7	.0	.0	.8	.0	94.6
SW	.2	.0	.0	.0	.0	.0	.0	.2	1.6	1.0	.0	.0	.0	.0	97.2
W	.1	.0	.1	.0	.0	.0	.0	.2	.1	.4	.0	.0	.6	.0	98.4
NW	.2	.1	.1	.0	.0	.0	.0	.4	.2	.1	.0	.0	.4	.0	99.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.7	.0	.9	.0	98.0
TOT PCT	.4														
TOT OBS: 9821	.1	.3	.0	.0	.0	.0	.0	.7	.3	.1	0	0	.5	.0	98.3

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHUR	DRZL	FR26 PCPN	SNOW	OTHER PR2N PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SPOKE MAZE	SPRAY BLUG DUST	NO SIG WEA
00003	.4	.2	.3	.0	.0	.0	.0	.8	.3	0	.0	.0	.3	.0	98.5
06009	.4	0	.4	.0	.0	.0	.0	.8	.3	.3	.1	.0	.7	.0	97.9
12015	.4	.1	.2	.0	.0	.0	.0	.7	.3	.2	.0	.0	.6	.0	98.2
18021	.5	.1	.1	.0	.0	.0	.0	.7	.4	.1	0	0	.5	.0	98.3
TOT PCT	.4														
TOT OBS: 10048	.1	.3	.0	.0	.0	.0	.0	.7	.3	.1	0	0	.5	.0	98.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	2.1	18.3	15.7	1.6	.1	.0		37.9	11.3		38.3	35.3	36.2	31.8	34.6	37.8	40.3	42.5
NE	.5	8.2	2.6	.2	0	.0		8.6	9.7		7.2	18.9	7.9	7.3	9.3	9.3	9.6	8.5
E	.5	1.6	.4	0	0	.0		2.6	7.6		2.0	2.2	2.4	.4	3.0	2.1	3.3	.9
SE	.5	1.1	.2	.0	.0	.0		1.8	6.4		1.6	1.3	1.5	1.1	1.4	1.6	2.4	4.3
S	.3	.7	.1	0	0	.0		1.2	7.5		1.4	.8	1.3	.7	.9	1.1	1.3	7.1
SW	.3	.8	.2	0	0	.0		1.3	7.0		2.4	1.9	1.0	1.1	.8	.6	1.1	1.2
W	1.0	4.1	1.6	.1	.0	.0		6.8	8.1		6.8	3.4	7.8	8.6	6.5	7.5	6.5	1.8
NW	2.0	19.0	13.1	.9	.1	.0		35.1	10.4		36.8	37.2	36.4	45.4	35.3	37.0	31.3	36.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.8							4.8	.0		3.5	7.1	5.8	3.6	6.2	3.0	4.2	1.8
TOT OBS	1256	5377	3588	304	19	0	10544		9.8		2487	182	2313	137	2191	305	2745	164
TOT PCT	11.9	51.0	34.0	2.9	.2	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	8.4	23.2	5.9	.3	0	37.9	11.3		38.1	36.0	36.7	40.4
NE	2.9	4.8	.9	0	.0	8.6	9.7		7.5	7.8	9.3	9.5
E	1.3	1.3	.1	0	.0	2.6	7.6		2.1	2.3	2.9	3.1
SE	1.1	.7	0	.0	.0	1.8	6.4		1.6	1.5	1.5	2.3
S	.7	.4	.1	0	.0	1.2	7.5		1.4	1.0	1.0	1.4
SW	.8	.5	0	0	.0	1.3	7.0		2.4	1.0	.7	1.1
W	3.1	3.3	.4	0	.0	6.8	8.1		6.5	7.8	6.6	6.2
NW	9.3	21.6	4.0	.2	0	35.1	10.4		36.9	36.9	35.5	31.6
VAR	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0
CALM	4.8					4.8	.0		3.7	5.6	5.8	4.1
TOT OBS	3402	5675	1197	66	4	10544		9.8	2489	2450	2490	2929
TOT PCT	32.3	55.7	11.4	.6	0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			40+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	3.7	6.4	48.1	37.9	3.6	.3	.0	10.5	100.0	2669
04009	5.6	6.4	51.3	33.0	2.7	.1	.0	9.7	100.0	2650
12015	5.8	7.3	53.0	31.4	2.3	.2	.0	9.3	100.0	2496
18021	4.1	8.3	51.6	32.9	2.9	.2	.0	9.7	100.0	2929
TOT	502	754	5377	3588	304	19	0	9.8		10544
PCT	4.8	7.2	51.0	34.0	2.9	.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL OBS	MEAN CLOUD COVER
N	22.4	6.7	7.4	2.4		2.6
NE	4.3	1.4	1.8	.9		3.0
E	1.2	.4	.6	.4		3.6
SE	.5	.4	.4	.3		4.0
S	.5	.3	.3	.1		3.2
SW	.7	.2	.3	.1		2.7
W	3.9	1.2	1.3	.3		2.6
NW	20.0	6.7	6.7	1.7		2.5
VAR	.0	.0	.0	.0		.0
CALM	2.9	.7	.8	.3		2.3
TOT OBS	4511	1408	1551	516	7986	2.6
TOT PCT	56.5	17.6	19.4	6.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NM <5/8	TOTAL
149	299	599	999	1999	3999	4999	6499	7999		ANY HGT	OBS
.1	.0	.1	.7	1.8	1.0	.6	.1	.1	.3	34.0	
.0	.0	.0	.2	.7	.4	.2	.0	.0	.1	6.8	
.0	.0	.0	.1	.2	.1	.0	.0	.0	.0	2.0	
.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	1.4	
.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.1	
.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.1	
.0	.0	.0	.1	.0	.3	.1	.1	.0	.0	5.7	
.0	.0	.1	.5	1.6	1.1	.7	.2	.2	.1	29.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.1	.3	.1	.1	.0	.1	.0	4.1	
14	3	21	156	426	249	138	40	33	48	6950	7986
.2	.0	.3	2.0	5.3	3.1	1.7	.5	.4	.6	85.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >5000	= OR >0
= OR >6500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
= OR >5000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
= OR >3500	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2
= OR >2000	6.0	6.2	6.3	6.3	6.3	6.3	6.3	6.3
= OR >1000	11.0	11.5	11.6	11.6	11.6	11.6	11.6	11.6
= OR >600	12.7	13.3	13.5	13.5	13.5	13.5	13.5	13.5
= OR >300	12.6	13.6	13.7	13.7	13.7	13.7	13.7	13.7
= OR >150	12.8	13.6	13.7	13.8	13.8	13.8	13.8	13.8
= OR >0	13.0	13.7	13.9	13.9	13.9	13.9	13.9	13.9
TOTAL	1052	1113	1126	1130	1130	1130	1130	1130

TOTAL NUMBER OF OBS: 8110

PCT FREQ NM <5/8: 86.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL
0	1	2	3	4	5	6	7	8	9	OBS
40.5	17.3	12.6	9.2	6.0	3.8	4.0	3.1	3.3	.1	8570

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1959-1979

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
	TOT %	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.3	
5<10	PCP	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	1.3	.2	.1	.1	.0	.1	.3	1.0	.0	.2	3.2	
	TOT %	1.3	.3	.2	.1	.0	.1	.3	1.0	.0	.2	3.4	
10+	PCP	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	
	NO PCP	36.7	8.0	2.4	1.5	1.2	1.2	6.5	37.9	.0	4.4	95.0	
	TOT %	36.8	8.1	2.4	1.6	1.2	1.2	6.6	38.0	.0	4.4	95.0	
TOT OBS													9769
TOT PCT													30.3 8.4 2.6 1.7 1.2 1.3 6.8 35.1 .0 4.6 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	
5<10	0-3	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2	
	4-10	.5	.1	.1	.1	.0	.0	.1	.5	.0	.0	.0	
	11-21	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	
	22+	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	1.3	.3	.2	.1	.0	.1	.3	1.0	.0	.2	3.3	
10+	0-3	2.0	.5	.4	.4	.3	.3	.9	1.0	.0	4.5	11.1	
	4-10	17.9	8.0	1.5	1.0	.7	.7	4.0	18.6	.0	40.3	90.3	
	11-21	18.2	2.5	.4	.2	.1	.2	1.5	12.7	.0	42.0	92.0	
	22+	1.6	.2	.0	.0	.1	.0	.1	.9	.0	2.9	2.9	
	TOT %	39.6	8.2	2.4	1.6	1.2	1.2	6.4	36.0	.0	4.5	96.1	
TOT OBS													10250
TOT PCT													30.1 8.5 2.5 1.7 1.2 1.3 6.8 35.2 .0 4.7 100.0

FEBRUARY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

AREA 0005 PUERTO VALLARTA
2C.5N 107.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, MM >400) AND
OCCURRENCE OF NH <500 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 999	1000 1999	2000 3499	3500 4999	4000 6499	6500 7999	8000+	TOTAL	NH <500 AVG HGT	TOTAL OBS
0000	.1	.0	.1	1.6	5.6	3.2	1.6	.6	.5	.8	14.1	85.9	2209
0600	.1	.1	.1	1.5	3.5	2.2	1.4	.2	.3	.5	10.1	89.9	2021
1200	.3	.0	.4	2.3	6.2	3.0	1.5	.2	.3	.4	14.5	85.5	1931
1800	.1	0	.3	2.0	5.1	3.4	2.0	.9	.5	.4	15.0	85.0	2326
TOT	14	3	21	159	433	253	138	41	34	49	1145	7342	8487
PCT	.2	0	.2	1.9	5.1	3.0	1.6	.5	.4	.6	13.5	86.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2 1/2<1	1/2 1<2	2<5	5<10	10+	TOTAL OBS
0000	.0	.0	.2	.4	2.6	2650
0600	.1	.0	.0	.4	3.6	2471
1200	0	.0	.1	.4	5.0	2479
1800	.3	.0	0	.2	2.6	2877
TOT	7	0	8	39	360	10477
PCT	.1	.0	.1	.4	3.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, MM >400) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ ANDS+	NH <500 AVG HGT	TOTAL OBS
0000	.1	.3	2.1	12.6	85.3	2117
0600	.1	.4	2.2	8.4	89.4	1932
1200	.3	.7	3.4	11.6	85.0	1931
1800	.1	.5	2.7	12.9	84.4	2225
TOT	13	36	207	932	6971	8110
PCT	.2	.5	2.6	11.5	86.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	0	0	0	.0	.0	0	6	.1
85/89	.0	0	0	.1	.1	.1	.0	0	30	.5
80/84	.0	0	0	.3	1.3	1.5	.4	.3	321	3.9
75/79	.0	0	.2	1.2	4.7	11.1	5.6	1.6	2011	24.4
70/74	.0	0	.7	1.7	9.6	18.6	14.9	4.9	4134	50.1
65/69	.0	0	.1	.6	3.3	7.0	5.9	2.3	1588	19.3
60/64	.0	.0	.0	.1	.4	.5	.5	.2	144	1.7
55/59	.0	.0	.0	.0	.0	.0	.0	0	3	0
TOTAL	0	10	48	341	1623	3204	2252	767	8245	100.0
PCT	.0	.1	.6	4.1	19.7	38.9	27.3	9.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALP
90/94	0	0	0	.0	.0	.0	.0	0	.0	.0
85/89	.1	0	0	0	.0	.0	.0	.2	.0	0
80/84	.0	.2	.2	.3	.2	.1	.3	1.6	.0	.3
75/79	0.0	1.7	.7	.5	.4	.4	1.7	0.0	.0	1.4
70/74	20.1	4.7	1.2	.7	.4	.6	3.2	17.0	.0	2.3
65/69	8.1	1.6	.4	.2	.1	.2	1.3	6.6	.0	.8
60/64	.7	.2	0	0	0	0	.1	.7	.0	0
55/59	0	.0	.0	.0	.0	.0	0	.0	.0	.0
TOTAL	38.6	8.5	2.5	1.8	1.2	1.2	6.7	34.8	.0	4.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	95	86	81	73	68	65	59	73.9	2698
0600	82	79	77	71	66	63	59	71.2	2500
1200	94	79	76	71	65	62	57	70.7	2542
1800	92	84	81	76	68	64	60	74.1	2076
TOT	95	81	79	72	66	61	57	72.6	10714

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-49	50-59	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	6.4	24.9	42.4	20.3	6.1	74	2171
0600	.0	2.2	13.3	36.2	35.3	13.1	78	2019
1200	.0	2.4	12.0	35.0	36.6	14.0	79	1970
1800	.0	7.6	26.5	41.5	19.3	5.0	73	2262
TOT	0	402	1647	5243	2514	785	76	8472

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PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1959-1979AREA 0005 PUERTO VALLARTA
20.54 107.44

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	% FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
14/16	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	15	.0	.2
11/13	.0	.0	.0	.0	.0	.1	.1	.2	.1	.0	37	.0	.4
9/10	.0	.0	.0	.0	.0	.2	.2	.1	.0	.0	49	.0	.5
7/8	.0	.0	.0	.1	.3	.4	.3	.0	.0	.0	101	.0	1.1
6	.0	.0	.0	.1	.3	.3	.2	.0	.0	.0	82	.0	.9
5	.0	.0	.0	.2	.5	.5	.3	.0	.0	.0	143	.0	1.6
4	.0	.0	.1	.3	.4	.0	.3	.0	.0	.0	270	.0	2.5
3	.0	.0	.1	.4	1.0	.9	.3	.0	.0	.0	246	.0	2.7
2	.0	.0	.2	1.1	2.1	1.3	.3	.0	.0	.0	459	.0	5.0
1	.0	.0	.3	1.1	2.3	1.2	.2	.0	.0	.0	450	.0	5.0
0	.0	.1	.5	3.7	4.8	1.9	.2	.0	.0	.0	1013	.0	11.1
-1	.0	.0	.6	3.7	4.5	1.3	.1	.0	.0	.0	941	.0	10.3
-2	.0	.1	1.4	6.0	5.2	1.6	.1	.0	.0	.0	1313	.0	14.3
-3	.0	.1	1.3	5.3	3.7	.9	.0	.0	.0	.0	1037	.0	11.3
-4	.0	.2	2.3	5.0	3.1	.5	.0	.0	.0	.0	1027	.0	11.2
-5	.0	.2	1.9	4.0	2.0	.3	.0	.0	.0	.0	774	.0	8.4
-6	.0	.2	1.5	2.1	1.1	.1	.0	.0	.0	.0	443	.0	5.1
-7/-8	.0	.4	1.7	2.3	1.0	.1	.0	.0	.0	.0	503	.0	5.5
-9/-10	.0	.3	.7	.7	.3	.0	.0	.0	.0	.0	183	.0	2.0
-11/-13	.0	.2	.2	.2	.1	.0	.0	.0	.0	.0	57	.0	.6
-14/-16	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	7	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
-20/-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	0	167	1177	3052	1179	229	45	7	3	9143	3	9140	
PCT	.1	1.0	12.9	36.3	33.4	12.5	2.5	.5	.1	0	100.0	0	100.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
41	1.0	2.0	.1	.0	.0	.0	4.0	.3	.7	.0	.0	.0	.0	1.0
1-2	.7	11.7	3.4	.0	.0	.0	18.8	.3	3.0	1.0	.0	.0	.0	4.3
3-4	.2	5.7	1.7	.2	.0	.0	13.8	.0	1.4	1.1	.1	.0	.0	2.6
5-6	.0	1.0	4.4	.2	.1	.0	5.7	.0	.3	.7	.0	.0	.0	.9
7	.0	.1	1.3	.3	.0	.0	1.6	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.2	.1	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	21.4	17.1	.9	.1	.0	41.5	.6	5.4	2.9	.1	.0	.0	9.1

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
41	.3	.3	.0	.0	.0	.0	.6	.2	.3	.0	.0	.0	.0	.5
1-2	.1	.0	.0	.0	.0	.0	.9	.1	.6	.0	.0	.0	.0	.9
3-4	.0	.4	.3	.0	.0	.0	.6	.0	.1	.1	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	1.5	.4	.0	.0	.0	2.5	.3	1.0	.3	.0	.0	.0	1.6

PERIOD: (OVER-ALL) 1963-1979

FEBRUARY

APFA 0005 PUERTO VALLARTA
20.54 107.44

TABLE 10 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.2	.1	.0	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.3	
1-2	.1	.2	.0	.0	.0	.0	.3	.1	.7	.1	.0	.0	.0	.9	
3-4	.0	.2	.0	.0	.0	.0	.2	.0	.0	.7	.0	.0	.0	.2	
5-6	.0	.0	.1	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	.5	.1	.0	.0	.0	.9	.3	.8	.3	.0	.0	.0	1.5	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.2	.6	.0	.0	.0	.0	.8	.0	2.5	.2	.0	.0	.0	5.6	
1-2	.3	2.3	.7	.0	.0	.0	2.9	.0	9.0	7.0	.0	.0	.0	17.0	
3-4	.0	.6	.7	.0	.0	.0	1.4	.1	4.5	6.1	.1	.0	.0	10.8	
5-6	.0	.3	.3	.0	.0	.0	.7	.0	.6	2.4	.2	.0	.0	3.6	
7	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	1.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.3	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.6	3.9	1.4	.0	.0	.0	5.8	1.5	17.9	12.0	.3	.1	.0	32.0	96.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	8.4	7.6	.3	.0	.0	.0	.0	16.3
1-2	2.7	20.0	7.7	.0	.0	.0	.0	30.1
3-4	.5	12.0	16.0	.4	.0	.0	.0	29.7
5-6	.1	2.1	8.3	.4	.1	.0	.0	11.0
7	.0	.5	2.0	.4	.0	.0	.0	2.9
8-9	.0	.1	.3	.1	.0	.0	.0	.4
10-11	.0	.0	.0	.0	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	11.0	51.0	44.7	1.4	.2	.0	106.0	211.0

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<1	5.3	19.7	20.6	7.0	1.0	.9	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34.2
1-2	.2	2.4	7.2	6.6	2.7	1.1	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.0
3-4	.1	.8	1.9	2.0	1.4	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
14-15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
16-17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
18-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
TOTAL	7.9	10.2	23.6	12.5	5.2	2.0	.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	70.0
PCT	10.4	25.6	33.4	17.0	7.4	3.2	1.2	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1961-1979

MARCH

APEA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NC SIG WFA
N	.0	.1	.1	.0	.0	.0	.0	.2	.0	.1	.1	.0	.5	.0	99.1
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.5	.0	99.1
E	2.6	.5	1.6	.0	.0	.0	.0	3.7	1.4	.0	.0	.0	.5	.0	99.3
SE	3.3	1.3	.0	.0	.0	.0	.0	4.6	2.8	.7	.0	.0	2.1	.7	89.1
S	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.6	.0	97.1
SW	.6	.0	.0	.0	.0	.0	.0	1.1	.4	.0	.0	.0	.1	.0	97.7
W	.0	.0	.1	.0	.0	.0	.0	.1	.1	.0	.3	.0	1.0	.0	98.5
NW	.1	.0	.1	.0	.0	.0	.0	.2	.2	.1	.1	.0	.6	.0	98.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.0	2.8	.0	96.2
TOT PCT	.1	.1	.1	.0	.0	.0	.0	.3	.2	.1	.1	.0	.7	.0	98.6
TOT OBS: 11127															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NC SIG WFA
0000Z	.2	.1	.1	.0	.0	.0	.0	.4	.1	.0	.1	.0	.8	.0	98.6
0600Z	.1	.0	.1	.0	.0	.0	.0	.3	.2	.2	.1	.0	.5	.0	98.7
1201Z	.1	.1	.1	.0	.0	.0	.0	.3	.2	.2	.2	.0	.6	.0	98.5
1802Z	.1	.1	.1	.0	.0	.0	.0	.2	.7	.0	.2	.0	.9	.1	98.4
TOT PCT	.1	.1	.1	.0	.0	.0	.0	.3	.2	.1	.1	.0	.7	.0	98.6
TOT OBS: 11127															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.5	13.9	11.4	1.0	.1	.0		27.6	11.0		27.7	29.1	28.9	21.0	26.5	25.3	30.6	21.5
NE	.6	2.6	1.1	.1	.0	.0		4.3	8.6		3.5	5.4	4.0	1.8	9.8	6.7	4.6	4.7
E	.3	1.0	.2	.0	.0	.0		1.7	7.4		1.3	1.1	1.4	.6	1.9	1.1	2.2	.8
SE	.7	.9	.2	.0	.0	.0		1.4	7.3		1.1	.6	.8	.6	1.1	1.9	2.2	1.0
S	.3	.9	.1	.0	.0	.0		1.2	6.6		1.5	1.2	.8	.9	.8	1.1	1.6	1.0
SW	.4	1.0	.3	.0	.0	.0		1.6	7.2		1.6	.7	1.3	2.7	1.4	1.3	2.2	1.9
W	1.3	7.6	3.3	.2	.0	.0		12.6	8.8		13.2	18.7	13.2	14.1	17.0	9.8	11.7	15.3
NW	2.3	23.3	19.2	1.2	.0	.0		46.0	18.8		47.3	47.2	48.2	57.1	46.1	50.8	41.5	57.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.4							3.9	.0		2.9	3.9	4.4	1.2	5.4	2.1	3.4	1.1
TOT OBS	1227	6129	4339	299	9	0	12103		9.9		2811	283	2677	168	2847	331	3171	195
TOT PCT	11.0	50.6	36.9	2.5	.1	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 4a

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	03	06	12
N	0.6	16.9	3.9	.2	.0			27.6	11.0		27.7	28.6
NE	1.8	2.1	.1	.0	.0			4.3	8.6		3.6	3.9
E	.9	.6	.1	.0	.0			1.7	7.4		1.3	1.3
SE	.8	.5	.1	.0	.0			1.4	7.3		1.1	.8
S	.7	.4	.0	.0	.0			1.2	6.6		1.5	.8
SW	.9	.7	.1	.0	.0			1.6	7.2		1.6	1.4
W	0.8	8.8	.9	.0	.0			12.6	8.8		13.0	13.2
NW	10.2	30.1	5.6	.1	.0			46.0	18.8		47.3	48.2
VAR	.0	.0	.0	.0	.0			.0	.0		.0	.0
CALM	3.9							3.9	.0		3.0	4.2
TOT OBS	3712	7826	1320	45	0	12103		9.9			3814	2847
TOT PCT	30.7	66.1	10.9	.4	.0			100.0			100.0	100.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1961-1979

AREA 0005 PUERTO VALLARTA
20.54 107.94

TABLE 9

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR 16N11

HOUR	CALP	1-3		4-10		WIND SPEED (KNOTS)			40+	MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-17	22-37	38-47						
06003	3.0	4.4	46.6	40.4	3.5	1	0	10.6	100.0	3014		
06400	4.2	6.5	50.9	37.0	1.9	0	0	9.9	100.0	2845		
12415	5.0	7.3	52.9	32.6	2.1	1	0	9.5	100.0	2478		
18021	3.4	4.4	57.5	39.5	2.5	1	0	8.6	100.0	3361		
TOT	46.7	80.0	432.9	433.9	29.5	4	0	9.9		12121		
MEAN	3.9	7.1	50.6	35.9	2.9	1	0	10.0				

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WHD DIR	C-2	3-4	5-7	8 & BMSCD	TOTAL OBS	MEAN CLOUD COVER
N	10.0	5.0	5.7	1.3		2.5
NE	2.3	.7	.0	.7		2.5
E	.0	.0	.3	.2		3.2
SE	.5	.2	.3	.2		3.0
S	.5	.2	.3	.1		3.4
SW	.7	.4	.4	.1		3.3
W	6.5	2.4	3.0	.7		2.9
NW	20.6	8.5	10.3	2.5		2.7
NAD	.0	.0	.0	.0		.0
CALM	2.3	.0	.0	.0		2.7
TOT OBS	400.7	160.2	109.3	41.0	910.0	2.7
TOT PCT	50.3	20.4	21.7	5.0	100.0	

TABLE 4

PERCENTAGE FREQUENCY OF CEILING HEIGHTS 157.0M (500 FT)
AND OCCURRENCE OF 4M (13/0) BY WIND DIRECTION

BY SITE DIRECTION					BY SITE DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
WIND DIR	C-2	3-A	5-7	8-E	TOTAL	CLOUD COVER	000	150	300	450	600	750C	900C	1050C	1200C	1350C	1500C	1650C	1800C	1950C	2100C	2250C	2400C	2550C	2700C	2850C	3000C	3150C	3300C	3450C	3600C	3750C	3900C	4050C	4200C	4350C	4500C	4650C	4800C	4950C	5100C	5250C	5400C	5550C	5700C	5850C	6000C	6150C	6300C	6450C	6600C	6750C	6900C	7050C	7200C	7350C	7500C	7650C	7800C	7950C	8100C	8250C	8400C	8550C	8700C	8850C	9000C	9150C	9300C	9450C	9600C	9750C	9900C	10050C	10200C	10350C	10500C	10650C	10800C	10950C	11100C	11250C	11400C	11550C	11700C	11850C	12000C	12150C	12300C	12450C	12600C	12750C	12900C	13050C	13200C	13350C	13500C	13650C	13800C	13950C	14100C	14250C	14400C	14550C	14700C	14850C	15000C	15150C	15300C	15450C	15600C	15750C	15900C	16050C	16200C	16350C	16500C	16650C	16800C	16950C	17100C	17250C	17400C	17550C	17700C	17850C	18000C	18150C	18300C	18450C	18600C	18750C	18900C	19050C	19200C	19350C	19500C	19650C	19800C	19950C	20100C	20250C	20400C	20550C	20700C	20850C	21000C	21150C	21300C	21450C	21600C	21750C	21900C	22050C	22200C	22350C	22500C	22650C	22800C	22950C	23100C	23250C	23400C	23550C	23700C	23850C	24000C	24150C	24300C	24450C	24600C	24750C	24900C	25050C	25200C	25350C	25500C	25650C	25800C	25950C	26100C	26250C	26400C	26550C	26700C	26850C	27000C	27150C	27300C	27450C	27600C	27750C	27900C	28050C	28200C	28350C	28500C	28650C	28800C	28950C	29100C	29250C	29400C	29550C	29700C	29850C	30000C	30150C	30300C	30450C	30600C	30750C	30900C	31050C	31200C	31350C	31500C	31650C	31800C	31950C	32100C	32250C	32400C	32550C	32700C	32850C	33000C	33150C	33300C	33450C	33600C	33750C	33900C	34050C	34200C	34350C	34500C	34650C	34800C	34950C	35100C	35250C	35400C	35550C	35700C	35850C	36000C	36150C	36300C	36450C	36600C	36750C	36900C	37050C	37200C	37350C	37500C	37650C	37800C	37950C	38100C	38250C	38400C	38550C	38700C	38850C	39000C	39150C	39300C	39450C	39600C	39750C	39900C	40050C	40200C	40350C	40500C	40650C	40800C	40950C	41100C	41250C	41400C	41550C	41700C	41850C	42000C	42150C	42300C	42450C	42600C	42750C	42900C	43050C	43200C	43350C	43500C	43650C	43800C	43950C	44100C	44250C	44400C	44550C	44700C	44850C	45000C	45150C	45300C	45450C	45600C	45750C	45900C	46050C	46200C	46350C	46500C	46650C	46800C	46950C	47100C	47250C	47400C	47550C	47700C	47850C	48000C	48150C	48300C	48450C	48600C	48750C	48900C	49050C	49200C	49350C	49500C	49650C	49800C	49950C	50100C	50250C	50400C	50550C	50700C	50850C	51000C	51150C	51300C	51450C	51600C	51750C	51900C	52050C	52200C	52350C	52500C	52650C	52800C	52950C	53100C	53250C	53400C	53550C	53700C	53850C	54000C	54150C	54300C	54450C	54600C	54750C	54900C	55050C	55200C	55350C	55500C	55650C	55800C	55950C	56100C	56250C	56400C	56550C	56700C	56850C	57000C	57150C	57300C	57450C	57600C	57750C	57900C	58050C	58200C	58350C	58500C	58650C	58800C	58950C	59100C	59250C	59400C	59550C	59700C	59850C	60000C	60150C	60300C	60450C	60600C	60750C	60900C	61050C	61200C	61350C	61500C	61650C	61800C	61950C	62100C	62250C	62400C	62550C	62700C	62850C	63000C	63150C	63300C	63450C	63600C	63750C	63900C	64050C	64200C	64350C	64500C	64650C	64800C	64950C	65100C	65250C	65400C	65550C	65700C	65850C	66000C	66150C	66300C	66450C	66600C	66750C	66900C	67050C	67200C	67350C	67500C	67650C	67800C	67950C	68100C	68250C	68400C	68550C	68700C	68850C	69000C	69150C	69300C	69450C	69600C	69750C	69900C	70050C	70200C	70350C	70500C	70650C	70800C	70950C	71100C	71250C	71400C	71550C	71700C	71850C	72000C	72150C	72300C	72450C	72600C	72750C	72900C	73050C	73200C	73350C	73500C	73650C	73800C	73950C	74100C	74250C	74400C	74550C	74700C	74850C	75000C	75150C	75300C	75450C	75600C	75750C	75900C	76050C	76200C	76350C	76500C	76650C	76800C	76950C	77100C	77250C	77400C	77550C	77700C	77850C	78000C	78150C	78300C	78450C	78600C	78750C	78900C	79050C	79200C	79350C	79500C	79650C	79800C	79950C	80100C	80250C	80400C	80550C	80700C	80850C	81000C	81150C	81300C	81450C	81600C	81750C	81900C	82050C	82200C	82350C	82500C	82650C	82800C	82950C	83100C	83250C	83400C	83550C	83700C	83850C	84000C	84150C	84300C	84450C	84600C	84750C	84900C	85050C	85200C	85350C	85500C	85650C	85800C	85950C	86100C	86250C	86400C	86550C	86700C	86850C	87000C	87150C	87300C	87450C	87600C	87750C	87900C	88050C	88200C	88350C	88500C	88650C	88800C	88950C	89100C	89250C	89400C	89550C	89700C	89850C	90000C	90150C	90300C	90450C	90600C	90750C	90900C	91050C	91200C	91350C	91500C	91650C	91800C	91950C	92100C	92250C	92400C	92550C	92700C	92850C	93000C	93150C	93300C	93450C	93600C	93750C	93900C	94050C	94200C	94350C	94500C	94650C	94800C	94950C	95100C	95250C	95400C	95550C	95700C	95850C	96000C	96150C	96300C	96450C	96600C	96750C	96900C	97050C	97200C	97350C	97500C	97650C	97800C	97950C	98100C	98250C	98400C	98550C	98700C	98850C	99000C	99150C	99300C	99450C	99600C	99750C	99900C	100000C	100150C	100300C	100450C	100600C	100750C	100900C	101050C	101200C	101350C	101500C	101650C	101800C	101950C	102100C	102250C	102400C	102550C	102700C	102850C	103000C	103150C	103300C	103450C	103600C	103750C	103900C	104050C	104200C	104350C	104500C	104650C	104800C	104950C	105100C	105250C	105400C	105550C	105700C	105850C	106000C	106150C	106300C	106450C	106600C	106750C	106900C	107050C	107200C	107350C	107500C	107650C	107800C	107950C	108100C	108250C	108400C	108550C	108700C	108850C	109000C	109150C	109300C	109450C	109600C	109750C	109900C	110000C	110150C	110300C	110450C	110600C	110750C	110900C	111050C	111200C	111350C	111500C	111650C	111800C	111950C	112100C	112250C	112400C	112550C	112700C	112850C	113000C	113150C	113300C	113450C	113600C	113750C	113900C	114050C	114200C	114350C	114500C	114650C	114800C	114950C	115100C	115250C	115400C	115550C	115700C	115850C	116000C	116150C	116300C	116450C	116600C	116750C	116900C	117050C	117200C	117350C	117500C	117650C	117800C	117950C	118100C	118250C	118400C	118550C	118700C	118850C	119000C	119150C	119300C	119450C	119600C	119750C	119900C	120000C	120150C	120300C	120450C	120600C	120750C	120900C	121050C	121200C	121350C	121500C	121650C	121800C	121950C	122100C	122250C	122400C	122550C	122700C	122850C	123000C	123150C	123300C	123450C	123600C	123750C	123900C	124050C	124200C	124350C	124500C	124650C	124800C	124950C	125100C	125250C	125400C	125550C	125700C	125850C	126000C	126150C	126300C	126450C	126600C	126750C	126900C	127050C	127200C	127350C	127500C	127650C	127800C	127950C	128100C	128250C	128400C	128550C	128700C	128850C	129000C	129150C	129300C	129450C	129600C	129750C	129900C	130000C	130150C	130300C	130450C	130600C	130750C	130900C	131050C	131200C	131350C	131500C	131650C	131800C	131950C	132100C	132250C	132400C	132550C	132700C	132850C	133000C	133150C	133300C	133450C	133600C	133750C	133900C	134050C	134200C	134350C	134500C	134650C	134800C	134950C	135100C	135250C	135400C	135550C	135700C	135850C	136000C	136150C	136300C	136450C	136600C	136750C	136900C	137050C	137200C	137350C	137500C	137650C	137800C	137950C	138100C	138250C	138400C	138550C	138700C	138850C	139000C	139150C	139300C	139450C	139600C	139750C	139900C	140000C	140150C	140300C	140450C	140600C	140750C	140900C	141050C	141200C	141350C	141500C	141650C	141800C	141950C	142100C	142250C	142400C	142550C	142700C	142850C	143000C	143150C	143300C	143450C	143600C	143750C	143900C	144050C	144200C	144350C	144500C	144650C	144800C	144950C	145100C	145250C	145400C	145550C	145700C	145850C	146000C	146150C	146300C	146450C	146600C	146750C	146900C	147050C	147200C	147350C	147500C	147650C	147800C	147950C	148100C	148250C	148400C	148550C	148700C	148850C	149000C	149150C	149300C	149450C	149600C	149750C	149900C	150000C	150150C	150300C	150450C	150600C	150750C	150900C	151050C	151200C	151350C	151500C	151650C	151800C	151950C	152100C	152250C	152400C	152550C	152700C	152850C	153000C	153150C	153300C	153450C	153600C	153750C	153900C	154050C	154200C	154350C	154500C	154650C	154800C	154950C	155100C	155250C	155400C	155550C	155700C	155850C	156000C	156150C	156300C	156450C	156600C	156750C	156900C	157050C	157200C	157350C	157500C	157650C	157800C	157950C	158100C	158250C	158400C	158550C	158700C	158850C	159000C	159150C	159300C	159450C	159600C	159750C	159900C	160000C	160150C	160300C	160450C	160600C	160750C	160900C	161050C	161200C	161350C	161500C	161650C	161800C	161950C	162100C	162250C	162400C	162550C	1

TABLE 1

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (IN) > 0.0) AND USBT (IN)

	V50Y (NPP)							
CEILING	= CN	= 00	= 00	= 00	= 00	= 00	= 00	= 00
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>1/8	>0
= 00 >6500	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
= 00 >5000	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
= 00 >3500	2.2	2.0	2.0	2.0	2.1	2.1	2.1	2.1
= CN >2000	6.0	6.3	6.3	6.3	6.3	6.3	6.3	6.3
= 00 >1000	11.4	11.9	12.0	12.0	12.0	12.0	12.0	12.0
= 00 >600	13.2	13.9	14.0	14.0	14.0	14.0	14.0	14.1
= 00 >500	13.5	14.3	14.4	14.4	14.4	14.4	14.4	14.4
= 00 >400	13.7	14.5	14.6	14.6	14.6	14.6	14.6	14.6
= 00 > 0	13.7	14.5	14.6	14.6	14.6	14.6	14.6	14.6
TOTAL	1269	1365	1355	1357	1357	1350	1350	1350

TOTAL NUMBER OF OBS: 9201

PCT FREQ MM 65/01 09.9

TABLE 7a

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	9	TOTAL
41.2	15.9	12.7	9.0	6.4	4.0	2.4	3.5	2.9	.1	9775

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1961-1979

MARCH

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.C	0	0	.0	.0	.0	.0	.0	.0	0	
	NO PCP	.0	.C	.0	.0	.0	.0	.0	0	.0	.C	0	
	TOT 0	.0	.C	0	0	.0	.0	.0	0	.0	.C	0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	
	NO PCP	0	.C	.0	.0	.0	.0	0	0	.0	.0	0	
	TOT 0	0	.C	.0	.0	.0	.0	0	0	.0	.0	0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	.C	
	NO PCP	.0	.C	.0	.0	0	.0	.0	.0	.C	.C	0	
	TOT 0	.0	.C	.0	.0	0	.0	.0	.0	.C	.C	0	
2<5	PCP	0	.C	.0	0	.0	.0	.0	.0	.C	.C	0	
	NO PCP	.1	0	0	0	.0	.0	0	.1	.C	0	.2	
	TOT 0	.1	0	0	0	.0	.0	0	.1	.C	0	.2	
5<10	PCP	0	.0	0	0	.0	.0	.0	0	.0	.0	.1	
	NO PCP	1.1	.2	.1	.1	.1	.1	.4	1.0	.0	.2	4.0	
	TOT 0	1.1	.2	.1	.1	.1	.1	.4	1.0	.0	.2	4.1	
10+	PCP	0	.C	0	0	.0	0	0	0	.0	.C	.1	
	NO PCP	26.2	3.0	1.0	1.2	1.1	1.5	12.0	44.5	.0	3.6	95.4	
	TOT 0	26.2	3.0	1.0	1.2	1.1	1.5	12.0	44.5	.0	3.6	95.4	
TOT OBS													11071
TOT PCT													27.3 4.1 1.7 1.4 1.2 1.6 12.4 44.5 .0 3.0 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	0	.0	.0	.0	.0	.0	0	0	.0	0	0	
	11-21	.0	.0	.0	.0	.0	.0	0	0	.0	0	0	
	22+	.0	.0	0	0	.0	.0	.0	.0	.0	.0	0	
	TOT 0	0	.0	0	0	.0	.0	0	0	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	0	
	4-10	.0	.0	.0	.0	.C	.C	.0	.0	.0	.0	.0	
	11-21	0	.0	.0	.0	.0	.0	0	0	.0	0	0	
	22+	.0	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	
	TOT 0	0	.0	.0	.0	.0	.0	0	0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	0	.0	.0	.C	.0	.0	0	.0	.0	0	
	11-21	0	.0	0	0	0	.0	.0	0	.0	0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 0	0	0	0	0	0	.0	.0	.1	.0	.0	.1	
2<5	0-3	.0	0	.0	.0	.0	.0	0	.0	.0	0	0	
	4-10	.1	0	.0	0	.0	.0	0	.1	.0	0	.1	
	11-21	0	0	0	0	.0	.0	0	.1	.0	0	.2	
	22+	0	.0	0	0	.0	.0	0	0	.0	0	0	
	TOT 0	.1	0	0	0	.0	.0	0	.2	.0	0	.4	
5<10	0-3	.1	.1	0	0	0	0	.2	.0	.0	.2	.6	
	4-10	.5	.1	0	0	0	0	.2	.0	.0	0	2.0	
	11-21	.4	0	0	0	0	0	.1	.6	.0	0	1.3	
	22+	.1	.0	0	0	.0	.0	0	.1	.0	0	.2	
	TOT 0	1.0	.2	.1	.1	.1	.1	.4	1.0	.0	.2	4.0	
10+	0-3	1.4	.5	.3	.3	.3	.4	1.3	2.1	.0	3.6	10.2	
	4-10	12.0	2.2	1.0	.7	.7	1.0	7.3	22.3	.0	40.2	90.2	
	11-21	11.0	1.0	.2	.2	.1	.2	3.3	10.4	.0	30.7	80.7	
	22+	1.0	.1	0	0	.0	0	.2	1.1	.0	0	2.4	
	TOT 0	26.3	3.0	1.0	1.2	1.1	1.6	12.0	44.2	.0	3.6	95.4	
TOT OBS													11713
TOT PCT													27.4 4.0 1.7 1.3 1.2 1.7 12.5 44.3 .0 3.0 100.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1861-1979

MARCH

AREA CODES PUERTO VALLARTA
20.5N 107.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3999	3500 4999	5000 6999	6500 7999	8000+	TOTAL OBS	NH <5/8 ANY HGT	TOTAL OBS
00003	.1	.1	.2	2.1	4.8	2.6	1.0	.6	.7	.6	12.8	87.2	2505
06009	.2	.0	.3	1.3	4.2	2.8	1.2	.4	.3	.6	11.3	88.7	2314
12015	.4	.1	.3	2.6	7.5	3.6	1.2	.4	.4	.6	17.1	82.9	210
18021	.1	0	.4	2.0	5.6	3.6	1.9	.6	.5	.6	15.4	84.6	2672
TOT	19	5	31	194	531	302	129	49	48	60	1367	8307	9674
PCT	.2	.1	.3	2.0	5.5	3.1	1.3	.5	.5	.6	14.1	85.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	0	.0	.2	.3	3.4	96.1	2961
06009	.1	.0	0	.4	4.6	95.0	2034
12015	.1	0	.1	.5	5.1	94.1	2019
18021	.0	0	.1	.3	3.4	96.2	3294
TOT	6	2	11	43	486	11360	11908
PCT	.1	0	.1	.4	4.1	95.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH) >4/8 BY HOUR

HOUR (GMT)	<150 <500	<600 1	<1000 5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.1	.5	2.8	10.7	86.5	2406
06009	.3	.5	2.2	9.7	88.1	2229
12015	.4	.9	4.0	14.0	82.0	2094
18021	.2	.7	2.9	13.7	83.9	2552
TOT	21	58	272	1105	7904	9281
PCT	.2	.6	2.9	11.9	85.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	0	0	0	.0	.0	.0	5	.1
85/89	.0	0	0	.1	.1	.1	0	.0	32	.3
80/84	.0	.0	.1	.3	1.3	1.1	.3	.1	295	3.2
75/79	.0	0	.2	1.2	4.3	10.0	4.7	1.3	2014	21.7
70/74	.0	.0	.1	1.5	8.9	19.5	16.8	6.0	4011	51.0
65/69	.0	.0	0	.7	2.4	7.0	8.4	2.9	1998	21.6
60/64	.0	.0	.0	0	.2	.3	.7	.3	136	1.5
55/59	.0	.0	.0	.0	.0	.0	0	.0	1	0
TOTAL	0	3	40	357	1605	3429	2867	991	9292	100.0
PCT	.0	0	.4	3.8	17.3	36.9	30.9	10.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAP	CALM
90/94	0	.0	.0	.0	.0	.0	0	0	.0	0
85/89	.1	.0	.0	0	0	0	.1	.2	.0	0
80/84	.9	.1	.1	.1	.1	.1	.4	1.3	.0	.1
75/79	5.6	.9	.4	.4	.4	.4	2.7	9.8	.0	1.0
70/74	18.5	2.1	.8	.5	.5	.7	6.0	23.7	.0	2.0
65/69	9.7	1.0	.3	.1	.1	.4	3.0	10.1	.0	.7
60/64	.2	0	.0	0	.0	0	.3	.8	.0	.1
55/59	0	0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	28.1	4.1	1.6	1.2	1.1	1.6	12.5	45.8	.0	3.9

TABLE 15

MEANS, RANGES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	94	84	80	73	68	65	55	73.7	7027
06009	86	78	74	71	66	63	54	70.8	2879
12015	87	77	75	70	65	63	54	70.2	2910
18021	91	84	80	74	68	64	59	73.9	3403
TOT	94	82	79	72	66	64	54	72.3	12219

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	5.6	23.2	43.1	22.7	5.4	74	2397		
06009	.0	1.7	10.0	32.7	40.3	15.3	80	2272		
12015	.0	1.8	9.4	30.1	40.8	18.0	80	2224		
18021	.0	7.4	24.9	40.8	21.7	5.2	74	2563		
TOT	0	401	1629	3492	2924	1010	77	9456		

MARCH

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1963-1979

TABLE 17

AREA CODES PUERTO VALLARTA
20.5N 107.4WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	53	57	61	65	69	73	77	81	85	89	>92	TOT	N FOG	NC FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	.0	.1
14/16	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	19	.0	.2
11/13	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	38	.0	.4
9/10	.0	.0	.0	.0	.0	.1	.2	.2	.1	.0	.0	70	.0	.7
7/8	.0	.0	.0	.1	.2	.5	.6	.3	.1	.0	.0	173	.0	1.7
6	.0	.0	.0	.0	.2	.3	.4	.3	.0	.0	.0	121	.0	1.2
5	.0	.0	.0	.1	.4	.7	.8	.4	.0	.0	.0	244	.0	2.3
4	.0	.0	.0	.1	.6	1.3	1.1	.2	.0	.0	.0	342	.0	3.3
3	.0	.0	.0	.1	.5	1.0	1.0	.1	.0	.0	.0	386	.0	3.7
2	.0	.0	.0	.3	1.4	2.7	1.4	.2	.0	.0	.0	622	.0	6.0
1	.0	.0	.0	.3	1.0	2.9	1.1	.1	.0	.0	.0	648	.0	6.2
0	.0	.0	.1	1.0	4.3	5.3	1.3	.1	.0	.0	.0	1263	.0	12.1
-1	.0	.0	.0	1.7	4.4	4.0	.6	.0	.0	.0	.0	1060	.0	10.1
-2	.0	.0	.2	1.7	4.1	4.4	.8	.1	.0	.0	.0	1302	.0	11.2
-3	.0	.0	.1	1.4	5.2	2.9	.5	.0	.0	.0	.0	1067	.0	10.2
-4	.0	.0	.3	2.5	4.7	2.1	.2	.0	.0	.0	.0	1021	.0	9.9
-5	.0	.0	.3	2.0	4.0	1.5	.2	.0	.0	.0	.0	824	.0	7.9
-6	.0	.0	.2	1.2	1.9	.7	.1	.0	.0	.0	.0	424	.0	4.1
-7/-8	.0	.0	.3	1.8	2.0	.7	.0	.0	.0	.0	.0	498	.0	4.8
-9/-10	.0	.0	.2	.7	.5	.2	.0	.0	.0	.0	.0	173	.0	1.7
-11/-13	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	53	.0	.5
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	.0	.1
TOTAL	1	8	165	1528	4027	3374	1087	211	39	8	1	10447	12	10435
PCT	.0	.1	1.6	14.6	30.5	32.3	10.4	2.0	.4	.1	.0	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	1.8	.1	.0	.0	.0	2.7	.1	.3	.0	.0	.0	.0	.4
1-2	.5	7.8	2.0	.0	.1	.0	10.4	.2	1.0	.3	.0	.0	.0	1.5
3-4	.2	4.1	6.1	.1	.0	.0	10.5	.0	.6	.6	.0	.0	.0	1.2
5-6	.0	.6	3.4	.3	.0	.0	4.3	.0	.2	.1	.0	.0	.0	.3
7	.0	.1	1.1	.4	.0	.0	1.6	.0	.0	.2	.1	.0	.0	.3
8-9	.0	.0	.2	.4	.0	.0	.7	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.2	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	14.4	13.0	1.4	.2	.0	30.4	.4	2.0	1.3	.1	.0	.0	3.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.3
1-2	.0	.8	.0	.0	.0	.0	.9	.1	.3	.2	.0	.0	.0	.6
3-4	.0	.1	.0	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.4
5-6	.0	.1	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.2	.7	.2	.0	.0	1.6	.1	1.0	.2	.1	.0	.0	1.4

PERIOD: (OVER-ALL) 1963-1979

MARCH

ARPA COOS PUERTO VALLARTA
20.54 107.40

TABLE 10 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S									Sh								
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.1	.1	.0	.0	.0	.0	.1		.2	.1	.0	.0	.0	.0	.3		
1-2	.0	.3	.0	.0	.0	.0	.3		.1	.5	.2	.0	.0	.0	.0		
3-4	.0	.2	.1	.0	.0	.0	.3		.0	.3	.1	.0	.0	.0	.4		
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.1		
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.1		
8-9	.0	.0	.1	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
TOT PCT	.1	.5	.2	.0	.0	.0	.8		.3	1.0	.4	.0	.0	.0	1.7		

b									Sh									TOTAL PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT			
<1	.5	.6	.1	.0	.0	.0	1.0		.6	2.4	.2	.0	.0	.0	.0	3.2		
1-2	.3	4.5	1.0	.0	.0	.0	5.8		1.0	13.4	4.1	.0	.0	.0	.0	19.0		
3-4	.1	1.8	1.2	.0	.0	.0	3.0		.2	5.4	8.3	.3	.0	.0	.0	14.2		
5-6	.0	.2	.0	.1	.0	.0	1.1		.0	1.2	5.1	.6	.0	.0	.0	6.9		
7	.0	.0	.2	.0	.0	.0	.3		.0	.2	1.3	.5	.0	.0	.0	2.1		
8-9	.0	.0	.0	.0	.0	.0	.1		.0	.0	.4	.2	.0	.0	.0	.6		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.1		
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.1		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
TOT PCT	.7	7.2	3.4	.2	.0	.0	11.4		2.0	23.2	19.4	1.6	.1	.0	.0	66.2	97.4	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.1	5.9	.3	.0	.0	.0	11.3	
1-2	2.6	29.0	7.7	.0	.1	.0	39.3	
3-4	.6	12.5	16.3	.4	.0	.0	29.8	
5-6	.0	2.3	9.4	1.0	.0	.0	12.7	
7	.0	.3	2.8	1.1	.0	.0	4.2	
8-9	.0	.1	.0	.7	.0	.0	1.7	
10-11	.0	.0	.1	.2	.1	.0	.4	
12	.0	.0	.0	.0	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	8.5	50.2	37.8	3.4	.3	.0	100.0	2351

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.8	20.0	20.1	8.4	2.4	1.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4671	3
6-7	.1	2.1	7.3	6.9	2.7	.9	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1605	4
8-9	.0	.5	2.0	2.3	1.3	.7	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	577	5
10-11	.0	.0	.8	.6	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	240	4
12-13	.0	.0	.4	.4	.2	.2	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	114	4
13-15	.0	.0	.0	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	70	4
INDET	4.5	1.8	2.0	1.1	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	825	2
TOTAL	777	2040	2672	1640	624	271	88	25	26	13	5	1	0	0	0	0	0	0	0	8182	4
PCT	9.5	24.9	32.7	20.0	7.6	3.3	1.1	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1859-1979

AREA CODES PUERTO VALLARTA
20.5N 107.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA						
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAUL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HOUR	SMOKE	SPRAY	NO SIG OBS	
N	.1	0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.0	1.0	0	97.7	
NE	.0	.5	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	96.0	
E	.5	.0	.7	.0	.0	.0	.0	1.2	1.0	.0	.7	.0	.0	.0	96.0	
SE	.2	.0	.0	.0	.0	.0	.0	.2	2.2	.0	.0	.0	6.7	.0	91.0	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	97.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	96.1	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	97.6	
NW	.1	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	1.3	.1	98.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	.0	.2	.0	.0	.0	.0	.0	.0	.2	.0	.0	1.0	.0	92.0	
TOT PCT	.1	0	0	.0	.0	.0	.0	.1	.2	.2	.2	0	1.0	.1	97.5	
TOT OBS: 11140																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER PCPN	HAUL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN	SMOKE HAZ	SPRAY DUST SIG	NO SIG OBS
0000	.1	0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	2.0	0	97.7
0600	.0	.0	0	.0	.0	.0	.0	0	.1	.1	.1	0	1.2	.1	98.1
1200	.1	.1	.1	.0	.0	.0	.0	.3	.0	.2	.2	0	1.7	0	97.3
1800	.1	0	.0	.0	.0	.0	.0	.2	.2	0	.3	0	7.3	0	97.1
TOT PCT	.1	0	0	.0	.0	.0	.0	.1	.2	.2	.2	0	1.0	.1	97.5
TOT OBS: 11312															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-5	6-10	11-20	21-25	26-30	31-40	41+				00	03	06	09	12	15	18
N	1.2	0.0	0.7	.7	0	.0	.0	10.1	10.2	10.1	17.0	10.0	14.0	10.0	10.0	10.1	17.7
NE	.7	1.0	.5	0	.0	.0	.0	2.2	0.3	1.5	1.5	2.0	.0	2.3	1.0	2.0	1.1
E	.7	.0	.2	.0	.0	.0	.0	1.3	0.0	.0	.0	1.0	.0	1.0	1.7	1.0	1.0
SE	.7	.0	.2	.0	.0	.0	.0	1.3	0.0	.0	.0	.0	.0	1.1	.0	2.1	.1
S	.7	1.0	.1	.0	.0	.0	.0	1.0	0.2	1.0	.0	1.1	.0	1.1	1.0	2.2	2.3
SW	.5	1.5	.1	0	.0	.0	.0	2.3	0.0	2.0	1.0	1.0	.7	1.0	1.0	2.0	0.0
W	1.0	10.5	5.2	.2	0	.0	.0	17.0	9.3	10.0	10.3	10.2	21.0	10.3	10.3	17.0	21.1
NW	2.7	27.2	20.7	.0	0	.0	.0	51.5	10.0	50.2	57.7	53.1	50.0	40.0	50.0	40.0	50.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	0.3							0.3	.0	2.3	2.0	3.0	.7	3.1	0.5	0.7	3.0
TOT OBS	1365	6309	4050	100	5	0	11030		0.5	2010	173	2070	100	2511	207	1100	150
TOT PCT	11.0	53.2	30.0	1.0	0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 4A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-5	6-10	11-20	21-25	26-30	31-40	41+				00	03	06	09	12	15	18
N	0.0	11.3	1.0	.1	.0	.0	.0	10.1	10.2	10.2	17.0	10.0	10.0	10.0	10.0	10.0	17.7
NE	.0	1.0	0	.0	.0	.0	.0	2.2	0.3	1.0	2.0	2.0	.0	2.3	1.0	2.0	1.1
E	.7	.0	0	.0	.0	.0	.0	1.3	0.0	.0	.0	1.0	.0	1.0	1.7	1.0	1.0
SE	.7	.0	0	.0	.0	.0	.0	1.3	0.0	.0	.0	.0	.0	1.1	.0	2.1	.1
S	.7	.0	0	.0	.0	.0	.0	1.0	0.2	1.0	.0	1.1	.0	1.1	1.0	2.2	2.3
SW	1.3	1.0	.1	.0	.0	.0	.0	2.3	0.0	2.0	1.0	1.0	.7	1.0	1.0	2.0	0.0
W	0.0	10.2	1.0	0	.0	.0	.0	17.0	9.3	10.0	10.3	10.2	21.0	10.3	10.3	17.0	21.1
NW	11.0	30.5	5.0	.1	0	.0	.0	51.5	10.0	50.2	57.7	53.1	50.0	40.0	50.0	40.0	50.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	0.3							0.3	.0	2.3	2.0	3.0	.7	3.1	0.5	0.7	3.0
TOT OBS	3700	7132	1070	20	0	11030			0.5	2007	2010	2010	1000	2511	207	1100	150
TOT PCT	31.1	50.7	9.0	.2	.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1959-1979AREA D005 PUERTO VALLARTA
20.5N 107.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	2.3	5.9	50.0	39.2	1.8	.1	.0	10.3	100.0	2987
0600	3.5	6.1	53.1	35.7	1.5	0	.0	9.9	100.0	2910
1200	6.0	7.1	55.3	31.5	1.1	0	.0	9.1	100.0	2810
1800	6.7	9.1	55.2	29.8	1.1	0	.0	8.9	100.0	1329
TOT	516	851	6300	4850	166	5	0	9.5		11939
PCT	4.3	7.1	53.2	30.0	1.4	0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	10.6	3.7	3.5	1.1	2.6	2.6
NE	11.2	.5	.4	.1	2.8	2.8
E	1.6	.1	.1	.1	2.2	2.2
SE	1.6	.7	.2	.1	3.1	3.1
S	.6	.4	.7	.1	3.1	3.1
SW	1.1	.4	.5	.1	3.0	3.0
W	9.0	3.4	3.0	1.0	2.8	2.8
NW	27.0	6.7	11.8	2.9	2.8	2.8
ALL	1.0	.0	.0	.0	2.6	2.6
CALM	2.4	.7	.0	.1	2.6	2.6
TOT OBS	4015	1761	1970	530	9086	2.6
TOT PCT	53.0	19.4	21.7	5.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, M) > 400
AND OCCURRENCE OF NH < 5/8 BY WIND DIRECTION

000 100	150 200	300 500	600 900	1000 1000	2000 3000	3000 6000	5000 6000	6500 7000	6000+	NO OBS	< 5/8 HGT	TOTAL OBS
.1	0	.1	.3	.9	.0	.3	0	0	.1	16.0		
0	.0	0	.1	.1	.1	0	.0	.0	0	1.0		
0	0	0	0	.1	.1	0	0	0	.0	1.1		
0	.0	0	0	.1	0	0	0	.0	.0	.5		
0	.0	0	0	.1	0	0	0	0	.0	1.2		
0	.0	0	.1	.2	0	0	0	0	.0	1.9		
.1	.0	.1	.4	1.7	.4	.3	.1	0	.1	14.7		
.2	0	.1	1.2	1.1	1.7	.7	.2	.2	.4	95.6		
.0	.0	0	0	.0	.0	.0	.0	.0	.0	.0		
0	.0	0	.1	.3	.1	0	.1	.0	.1	.7		
37	5	31	200	547	281	126	50	33	54	7710	9086	
.4	.1	.3	2.2	6.0	3.1	1.4	.6	.4	.6	86.5	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH > 400) AND VISIB (M)

CEILING (FEET)	VISIB (M)							
	> 10	> 15	> 20	> 25	> 30	> 35	> 40	> 45
> 00 16500	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
> 00 15000	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
> 00 13500	2.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9
> 00 12000	5.6	6.0	6.0	6.0	6.0	6.0	6.0	6.0
> 00 10500	11.2	12.0	12.0	12.0	12.0	12.0	12.0	12.0
> 00 9000	13.2	14.2	14.3	14.3	14.3	14.3	14.3	14.3
> 00 7500	13.4	14.6	14.6	14.7	14.7	14.7	14.7	14.7
> 00 6000	13.5	14.6	14.7	14.7	14.7	14.7	14.7	14.7
> 00 4500	13.8	15.0	15.1	15.1	15.1	15.1	15.1	15.1
TOTAL	12.5	13.6	13.7	13.8	13.8	13.8	13.8	13.8

TOTAL NUMBER OF OBS. 9193

PCT FREQ NH < 5/8: 86.5

TABLE 8A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

DIR	1	2	3	4	5	6	7	8	9	10	TOTAL OBS
07.0	14.2	11.7	8.9	6.8	4.1	4.0	3.7	3.0	2.1	1.1	9607

APRIL

PERIOD: (PRIMARY) 1953-1970
(OVER-ALL) 1959-1970AREA CODES PUERTO RALLAFA
70.9% 107.9%

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (FM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
C1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/4	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2/5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5/10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOTAL OBS													
TOTAL PCT													
		10.7	2.1	1.3	1.2	1.4	2.7	17.6	51.5	.0	9.2	100.0	11181

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (FM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
C1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/4	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2/5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5/10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	0-3	1.2	.1	.2	.2	.3	.5	1.5	2.5	.0	9.0	10.0	
	4-10	0.5	1.7	.0	.7	.5	1.0	10.0	76.0	.0	9.0	90.0	
	11-21	0.3	.5	.2	.2	.1	.1	0.9	10.0	.0	9.0	90.0	
	22+	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOTAL OBS													
TOTAL PCT													
		10.2	2.1	1.3	1.2	1.4	2.7	17.6	51.5	.0	9.2	100.0	11181

APRIL

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1959-1979AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	400	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000	.4	.1	.4	1.4	4.5	2.4	1.3	.5	.4	1.0	12.4	87.6	2488
0600	.6	.1	.2	1.2	4.5	2.2	1.1	.4	.2	.2	10.7	89.3	2270
1200	.5	.0	.5	3.9	8.5	3.7	.9	.6	.2	.6	19.2	80.8	2158
1800	.2	.0	.3	2.4	5.9	3.9	1.9	.6	.5	.6	16.3	83.7	2629
TOT	38	5	32	209	553	292	126	50	33	57	1395	8150	9545
PCT	.4	.1	.3	2.2	5.8	3.1	1.3	.5	.3	.6	14.6	85.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.1	0	0	.2	3.9	95.8	2919
0600	0	0	0	.6	5.3	94.1	2800
1200	.1	.1	.0	.7	6.3	92.8	2773
1800	.2	.0	.0	.4	4.3	95.2	3271
TOT	17	4	7	55	572	1118	11763
PCT	.1	0	0	.5	4.9	94.5	100.0

TABLE 17

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 (500 FT)	<400 (1000 FT)	<1000 (3000 FT)	<1000+ (3000+)	NM <5/8 AND 5+	TOTAL OBS
0000	.4	.4	2.5	10.4	87.1	2395
0600	.6	1.0	2.7	8.9	88.5	2175
1200	.5	1.0	5.4	14.0	79.8	2080
1800	.2	.5	3.1	15.4	83.1	2543
TOT	38	77	304	1103	7783	9191
PCT	.4	.8	3.4	12.0	84.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/90	.0	0	0	0	0	0	.0	.0	0	.1
85/80	.0	0	.1	.2	.1	.1	.0	.0	49	.5
80/80	.0	0	.1	.8	2.2	2.3	1.0	.2	587	6.3
75/70	.0	0	.1	1.0	3.9	15.5	8.4	2.1	2897	31.0
70/70	.0	.0	.1	.5	1.2	14.5	18.7	7.9	4379	46.0
65/60	.0	.0	0	.1	.6	3.7	6.4	2.9	1321	14.1
60/60	.0	.0	.0	.0	.1	.2	.6	.3	111	1.2
55/50	.0	.0	.0	.0	.0	0	.0	.0	3	.0
TOTAL	0	0	32	210	1340	1465	1361	1262	9356	100.0
PCT	.0	.1	.1	2.2	12.2	57.4	35.4	13.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALP
90/90	0	0	.0	0	.0	.0	0	0	.0	.0
85/80	.1	0	0	0	0	0	.1	.3	.0	0
80/80	1.1	.1	.1	.1	.2	.2	1.1	3.0	.0	.3
75/70	6.3	.0	.5	.5	.6	.7	4.8	15.1	.0	1.5
70/70	9.5	1.0	.7	.4	.6	.9	7.9	23.8	.0	2.0
65/60	1.8	.2	.1	.1	.1	.3	2.9	8.3	.0	.4
60/60	.1	0	0	0	0	.2	.8	.0	.0	0
55/50	.0	.0	.0	.0	.0	0	0	.0	.0	.0
TOTAL	19.0	2.2	1.4	1.2	1.5	2.2	16.9	51.4	.0	4.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	94	84	82	75	69	64	59	74.1	2991
0600	84	79	77	72	66	64	57	71.8	2832
1200	88	78	76	71	65	62	55	71.0	2852
1800	90	84	81	74	69	64	62	75.2	1117
TOT	94	84	80	73	67	64	55	73.4	12012

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	3.9	17.1	45.4	27.4	6.3	76	2768		
0600	.0	1.1	4.1	26.9	47.1	19.8	82	2290		
1200	.0	1.0	4.9	26.8	47.4	23.7	82	2211		
1800	.0	4.2	20.0	45.0	24.8	6.0	75	2586		
TOT	0	250	1152	3455	1344	1203	79	9485		

APRIL

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1859-1979AREA DPOS PUERTO VALLARTA
20.5N 107.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DGF F) AND THE OCCURRENCE OF FOG (WITH/OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	% FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	.0	.1
14/16	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	32	.0	.3
11/13	.0	.0	.0	.0	.1	.1	.2	.2	.1	.0	.0	68	.0	.7
8/10	.0	.0	.0	.0	.2	.3	.3	.1	.0	.0	.0	94	.0	.9
5/7	.0	.0	.0	.0	.2	.4	.8	.5	.1	.0	.0	208	.0	2.0
2	.0	.0	.0	.0	.2	.4	.7	.4	.0	.0	.0	172	.0	1.7
1	.0	.0	.0	.1	.2	.7	1.3	.6	.0	.0	.0	303	.0	2.9
0	.0	.0	.0	.1	.4	1.0	1.4	.4	.1	.0	.0	350	.0	3.4
-1	.0	.0	.0	.1	.5	1.4	1.3	.3	.0	.0	.0	379	.0	3.7
-2	.0	.0	.0	.3	1.1	2.8	2.3	.4	.0	.0	.0	709	.0	6.9
-3	.0	.0	.0	.2	1.3	3.2	1.6	.1	.0	.0	.0	666	.0	6.5
-4	.0	.0	.1	.4	2.9	4.0	2.5	.2	.0	.0	.0	1294	.0	12.5
-5	.0	.0	.1	.6	3.4	4.8	1.5	.1	.0	.0	.0	1080	.0	10.4
-6	.0	.0	.2	.9	4.5	5.4	1.3	.0	.0	.0	.0	1271	.0	12.3
-7	.0	.0	.1	1.0	3.9	3.9	.6	.0	.0	.0	.0	970	.0	9.4
-8	.0	.0	.2	1.4	3.8	2.9	.5	.0	.0	.0	.0	911	.0	8.9
-9	.0	.0	.2	1.4	3.3	1.8	.4	.0	.0	.0	.0	724	.0	7.1
-10	.0	.0	.1	1.0	1.8	1.0	.1	.0	.0	.0	.0	414	.0	4.0
-11/-8	.0	.0	.1	1.3	1.7	.9	.0	.0	.0	.0	.0	441	.0	4.3
-12/-10	.0	.0	.1	.4	.5	.2	.0	.0	.0	.0	.0	123	.0	1.2
-13/-13	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	54	.0	.5
-14/-16	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	19	.0	.2
TOTAL	2	8	143	3104	3836	1724	382	60	9	2		10290	16	10274
PCT	.0	.1	1.4	9.9	30.2	37.3	16.8	3.7	.4	.1	.0	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.7	1.4	.1	.0	.0	.0		2.2	.2	.2	.0	.0	.0	.0		.4
1-2	.3	5.9	1.4	.0	.0	.0		7.8	.1	.9	.1	.0	.0	.0		1.1
3-4	.1	2.7	3.5	.0	.0	.0		6.3	.0	.4	.1	.0	.0	.0		.5
5-6	.0	.3	2.3	.1	.0	.0		2.7	.0	.1	.0	.0	.0	.0		.1
7	.0	.0	.5	.1	.0	.0		.6	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.1	.0	.0	.0		.1	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.1	.0	.0		.1	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	1.0	10.4	8.1	.4	.0	.0		19.9	.3	1.4	.2	.0	.0	.0		2.2

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.1	.0	.0	.0	.0		.1	.0	.2	.0	.0	.0	.0		.2
1-2	.2	.4	.0	.0	.0	.0		.6	.0	.3	.0	.0	.0	.0		.4
3-4	.0	.1	.0	.0	.0	.0		.2	.0	.1	.1	.0	.0	.0		.2
5-6	.0	.1	.0	.0	.0	.0		.1	.0	.0	.1	.0	.0	.0		.1
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.2	.7	.1	.0	.0	.0		1.0	.6	.2	.0	.0	.0	.0		.8

PERIOD: (OVER-ALL) 1963-1979

APRIL

ARFA CDCS PUERTO VALLARTA
20.54 107.96

TABLE 10 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	5							5h							PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
C1	.1	.2	.0	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.4	.4
1-2	.1	.3	.0	.0	.0	.0	.4	.1	.7	.1	.0	.0	.0	.9	.9
3-4	.0	.1	.1	.0	.0	.0	.2	.0	.2	.1	.0	.0	.0	.3	.3
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.6	.1	.0	.0	.0	.0	.3	1.1	.2	.0	.0	.0	1.6	

HGT	b							4h							TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
C1	.6	1.4	.1	.0	.0	.0	2.0	1.1	3.2	.2	.0	.0	.0	4.5	4.5
1-2	.5	4.5	1.2	.0	.0	.0	6.1	.6	14.1	4.4	.0	.0	.0	19.0	19.0
3-4	.1	2.7	2.0	.0	.0	.0	4.9	.1	9.7	11.1	.2	.0	.0	21.2	21.2
5-6	.0	.4	1.3	.0	.0	.0	1.6	.0	1.7	5.0	.4	.0	.0	7.1	7.1
7	.0	.1	.1	.1	.0	.0	.3	.0	.0	1.6	.2	.0	.0	1.8	1.8
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.2	.0	.0	.0	.2	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	9.1	4.7	.1	.0	.0	15.2	2.1	28.9	27.1	.8	.0	.0	58.9	58.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
C1	7.1	6.8	.4	.0	.0	.0	14.3	14.3
1-2	2.3	26.9	7.8	.0	.0	.0	37.1	37.1
3-4	.4	15.8	16.8	.3	.0	.0	33.3	33.3
5-6	.0	2.7	8.5	.5	.0	.0	11.8	11.8
7	.0	.2	2.2	.4	.0	.0	2.7	2.7
8-9	.0	.1	.4	.0	.0	.0	.4	.4
10-11	.0	.0	.2	.1	.0	.0	.2	.2
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.1	.0	.0	.0	.1	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-49	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	9.8	52.5	36.3	1.4	.0	.0	100.0	246.4

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	C1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
C6	4.6	19.0	21.7	8.0	2.1	.7	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4692	?
6-7	.2	2.3	7.3	6.9	2.4	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1895	4
8-9	.1	.9	2.7	2.3	1.1	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	665	5
10-11	.0	1.0	.8	.8	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	777	5
12-13	.0	.0	.7	.6	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	198	4
13-15	.0	.0	.0	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	159	7
14001	4.0	1.6	1.6	.9	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	756	2
TOTAL	78.5	20.4	26.7	16.3	5.9	2.0	.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8271	1
PCT	9.5	24.7	14.8	19.8	7.1	2.5	.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1961-1979

PAY

AREA DDCS PUERTO VALLARTA
ZCNA 107.00

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	MAIL	PCPN AT OD TIME	PCPN PAST HOUR	THDR LTNG	FGC NO PCPN	FGC NO PCPN PAST HR	SPRAT WAZE	SPRAY BLDG	DUST SMOG	NT SIG WFA	
N	.1	.0	.0	.0	.0	.0	.0	.1	.2	.2	.1	.0	.1	.1	.1	97.6	
NE	.8	.7	.0	.0	.0	.0	.0	1.5	.1	.5	.0	.0	.1	.1	.0	98.8	
E	.7	.5	.0	.0	.0	.0	.0	1.2	.7	.9	.7	.0	.1	.1	.0	98.1	
SE	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.4	.4	.0	.0	.0	.0	92.0	
S	.0	.5	.0	.0	.0	.0	.0	.5	.0	.0	1.4	.0	.0	.1	.0	91.4	
SW	.0	.0	.1	.0	.0	.0	.0	.1	.4	.0	.5	.1	.0	.1	.0	98.4	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.1	.0	95.2	
NW	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.0	.1	.1	.0	97.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	.0	.2	.0	.0	.0	.0	.2	.0	.0	.5	.2	.0	.0	.0	91.0	
TOT PCT	.1	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.0	.1	.1	.0	96.2	
TOT OBS: 17351																	

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	MAIL	PCPN AT OD TIME	PCPN PAST HOUR	THDR LTNG	FGC NO PCPN	FGC NO PCPN PAST HR	SPRAT WAZE	SPRAY BLDG	DUST	NT SIG	
0000	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1	.1	.0	98.1	
0600	.1	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.0	.1	.0	.0	98.4	
1200	.1	.1	.1	.0	.0	.0	.0	.2	.1	.1	.0	.1	.1	.0	.0	98.1	
1800	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.0	.0	.1	.0	95.5	
TOT PCT	.1	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.0	.1	.1	.0	96.2	
TOT OBS: 17500																	

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-31	30-47	48+	00+				00	01	02	03	04	05	06
N	1.1	5.9	3.1	.1	.0	.0	.0	10.2	9.2	8.3	7.8	9.7	9.5	12.7	8.9	11.1	7.7
NE	.1	1.0	.2	.0	.0	.0	.0	1.5	7.0	.4	.7	1.4	.0	2.7	2.9	1.7	2.2
E	.1	.0	.1	.0	.0	.0	.0	1.2	6.9	.4	1.4	1.1	.0	1.7	1.1	1.4	1.5
SE	.1	.0	.2	.0	.0	.0	.0	1.4	6.7	.7	1.0	1.0	1.1	1.4	1.1	2.0	2.4
S	.0	1.2	.1	.0	.0	.0	.0	1.7	6.1	1.2	.5	1.1	1.4	1.4	2.0	2.9	6.4
SW	.0	2.7	.5	.0	.0	.0	.0	3.8	7.0	1.9	0.1	2.5	0.2	2.8	5.8	5.2	6.2
W	2.2	15.2	8.2	.9	.0	.0	.0	26.0	9.5	29.7	26.0	25.9	11.1	22.4	24.6	24.4	29.2
NW	2.7	25.2	20.9	.8	.0	.0	.0	69.6	10.6	55.8	55.6	52.7	47.1	67.8	69.7	66.4	66.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.7	.0	.0	.0	.0	.0	.0	6.7	.0	1.9	2.9	4.4	1.1	7.9	5.7	4.4	5.5
TOT OBS	1655	6960	4391	187	2	0	0	17195	9.3	1112	209	240.7	179	282.1	931	596.7	1172
TOT PCT	12.5	52.7	33.1	1.4	.0	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3a

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	01	02	03
N	3.4	6.2	.6	.0	.0	10.2	9.2	8.3	7.8	9.7	11.1
NE	.0	.6	.0	.0	.0	1.5	7.0	.4	.7	1.4	2.2
E	.0	.0	.0	.0	.0	1.2	6.9	.4	1.4	1.1	1.5
SE	.0	.5	.0	.0	.0	1.4	6.7	.7	1.0	1.0	2.1
S	1.1	.6	.0	.0	.0	1.7	6.1	1.1	1.1	1.4	2.9
SW	2.0	1.7	.0	.0	.0	3.8	7.0	1.9	0.1	2.5	5.2
W	8.5	15.1	2.7	.0	.0	26.0	9.5	29.7	26.0	25.9	24.4
NW	11.2	33.0	5.1	.1	.0	69.6	10.6	55.8	55.6	52.7	66.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.7	.0	.0	.0	.0	6.7	.0	1.9	2.9	4.4	5.5
TOT OBS	6380	7707	1079	20	0	13195		1112	209	240.7	931
TOT PCT	33.1	46.4	6.7	.2	.0	100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1963-1979

MAY

AREA 0005 PUERTO VALLARTA
20.4N 107.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	2.0	6.1	49.6	40.6	1.0	.0	.0	10.3	100.0	3320
0600	4.2	5.7	53.2	35.4	1.5	.0	.0	9.8	100.0	3097
1200	7.3	6.9	54.3	28.0	1.1	.0	.0	8.7	100.0	3194
1800	5.3	10.7	51.9	28.0	1.3	.0	.0	8.0	100.0	3037
TOT	619	1036	6460	4391	187	2	0	9.3		13195
PCT	4.7	7.9	52.7	33.3	1.4	0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-6	TOTAL OBS/OBS	MEAN CLOUD COVER
N	9.2	2.2	2.1	.0	3.0	
NE	.7	.1	.1	.2	3.3	
E	.4	.1	.1	.2	3.6	
SE	.7	.1	.1	.1	3.1	
S	.0	.1	.1	.1	2.7	
SW	1.0	.7	.7	.2	2.8	
W	13.3	5.3	5.4	1.2	2.9	
NW	26.0	10.7	10.8	2.9	2.8	
VAR	.0	.0	.0	.0	.0	
CALM	2.0	.0	.0	.2	2.6	
TOT OBS	5212	2111	2157	567	10063	2.9
TOT PCT	51.8	21.0	21.4	5.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, M) 30/4)
AND OCCURRENCE OF WIND DIRECTION

000 100	150 200	300 500	600 900	1000 1000	2000 3000	3500 6000	5000 6000	6500 7000	8000 8000	9000 9000	10000 10000	WIND DIRECTION BY HGT	TOTAL OBS
0	0	0	.1	.0	.1	.2	0	0	.1	.0		9.0	
0	.0	0	.1	.1	.1	0	0	.0	.0	.0		1.2	
0	.0	.0	.1	.1	.1	0	0	0	.0	.0		.0	
0	.0	.0	0	.1	0	0	0	.0	.0	.0		1.2	
0	0	0	0	.1	.2	.1	0	.0	.0	.0		2.9	
0	0	.1	.7	1.6	.0	.0	.2	0	.1	21.4			
.1	0	.7	1.1	1.1	1.9	.7	.1	.2	.7	42.5			
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
0	0	0	.1	.4	.2	.1	0	0	.0	.0		6.1	
25	0	42	766	610	138	153	61	30	49	8481		10063	
.2	.1	.4	2.6	6.1	3.4	1.5	.6	.3	.9	84.9		100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (IN 30/4) AND WIND DIR

CEILING (FEET)	WIND DIR							
	> 00 > 10	> 00 > 10	> 00 > 10	> 00 > 10	> 00 > 10	> 00 > 10	> 00 > 10	> 00 > 10
> 00 36500	.7	.8	.0	.0	.0	.0	.0	.0
> 00 35000	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
> 00 33500	2.6	2.9	2.9	2.9	2.9	2.9	2.9	2.9
> 00 32000	5.7	6.2	6.2	6.2	6.2	6.2	6.2	6.2
> 00 31000	11.3	12.2	12.2	12.2	12.2	12.2	12.2	12.2
> 00 30000	13.5	14.0	14.0	14.0	14.0	14.0	14.0	14.0
> 00 29000	13.9	15.2	15.3	15.3	15.3	15.3	15.3	15.3
> 00 28000	13.9	15.3	15.3	15.4	15.4	15.4	15.4	15.4
> 00 27000	14.2	15.4	15.6	15.6	15.6	15.6	15.6	15.6
TOTAL	14.5	15.8	15.8	15.8	15.8	15.8	15.8	15.8

TOTAL NUMBER OF OBS: 10203

PCT FREQ WIND DIRECTION: 84.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
37.3	16.7	13.1	10.1	7.3	4.4	4.7	1.0	1.0	.1	10700

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1961-1979

PAT

AREA CODE: PUERTO VALLARTA
TC: 000 107.00

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS													12520
TOT PCT		10.3	1.5	1.2	1.4	1.6	3.7	26.0	49.6	.0	0.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT B	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS													12920
TOT PCT		10.3	1.5	1.2	1.4	1.6	3.7	26.0	49.6	.0	0.7	100.0	

MAY

PERIOD: (PRIMARY) 1953-1970
(OVER-ALL) 1961-1970

AREA 0004 PUERTO VALLARTA
ZC.00 107.00

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH 30/81) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 100	150 200	300 350	450 500	600 650	750 800	900 950	1050 1100	1200 1250	1350 1400	1500 1550	1650 1700	1800 1850	1900 1950	TOTAL	NH <5/8 DAY HGT	TOTAL OBS
0000	.1	0	.1	1.6	4.5	2.1	1.1	.4	.5	.7	11.3	88.7	2700				
0600	.4	.2	.3	2.3	6.4	2.6	.9	.5	.2	.5	12.2	87.8	2607				
1201	.6	.1	.8	4.1	9.4	4.8	2.1	.4	.2	.6	22.7	77.1	2602				
1802	.1	0	.4	2.2	5.1	3.6	1.0	.1	.2	.2	14.5	85.5	2602				
TOT	26	6	43	269	615	344	155	67	31	90	1003	9067	10065				
PCT	.2	.1	.4	2.5	5.0	3.2	1.5	.6	.3	.5	14.0	84.0	100.0				

TABLE 11

PERCENT FREQUENCY USBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.0	0	.1	.4	5.2	94.3	3204
0600	.2	.0	.1	.6	5.6	93.5	3001
1201	.7	0	.1	.9	8.1	90.7	3116
1802	.1	.1	.1	.3	5.7	94.1	3507
TOT	16	4	10	71	706	12142	13029
PCT	.1	0	.1	.5	6.0	93.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF USBY (NH) AND/OR
CEILING HGT (FEET, NH 30/81), BY HOUR

HOUR (GMT)	<1/2	<1/2-1	<1-2	<2-5	<5-10	<10+	NH <5/8 DAY HGT	TOTAL OBS
0000	.1	.3	2.3	6.7	88.1	2721		
0600	.4	.6	3.6	9.4	87.0	2700		
1201	.1	1.2	6.0	17.9	76.1	2700		
1802	.1	.8	3.2	12.0	84.7	2802		
TOT	26	60	190	1264	8579	10201		
PCT	.1	.9	3.7	12.7	84.1	100.0		

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	<20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	0	.7	.0	0	.0	.0	2	0	
90/94	.0	0	0	.1	.1	0	.0	.0	20	.1	
85/89	.0	0	.1	.1	.9	.9	.2	.1	230	2.3	
80/84	.0	.0	0	.4	3.8	3.6	3.9	.6	1691	16.4	
75/79	.0	.0	0	.5	3.3	15.9	13.7	3.0	3634	37.1	
70/74	.0	.0	0	.1	2.1	9.0	16.9	6.0	3331	32.1	
65/69	.0	.0	0	0	.1	6.0	3.1	1133	11.1		
60/64	.0	.0	.0	.0	0	.1	.1	.6	88	.5	
55/59	.0	.0	.0	.0	.0	.0	.0	.0	1	0	
TOTAL	0	2	21	127	1065	3654	4027	1436	10327	100.0	
PCT	.0	0	.2	1.2	10.1	34.4	39.0	13.9			

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	WSP	TOTL
95/99	.0	.0	.0	.0	.0	.0	0	0	.0	.0
90/94	0	0	0	0	0	.0	0	.1	.1	0
85/89	.2	0	0	.1	.1	0	.5	1.0	.0	.2
80/84	2.0	.9	.3	.5	.5	.7	3.5	7.3	.0	1.2
75/79	9.7	.6	.4	.5	.7	1.3	6.8	17.0	.0	2.1
70/74	3.1	.9	.3	.2	.3	1.1	6.5	17.1	.0	1.2
65/69	.7	0	0	.1	0	.2	1.4	6.4	.0	.1
60/64	.1	0	.0	0	.0	0	.2	.5	.0	0
55/59	.0	.0	.0	.0	.0	.0	.0	0	.0	.0
TOTAL	10.8	1.5	1.2	1.4	1.6	1.4	25.0	60.1	.0	6.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	96	84	84	77	69	64	64	77.0	3204
0600	97	87	80	73	66	64	61	77.5	3001
1201	98	87	79	71	66	64	59	77.0	3116
1802	97	87	84	77	69	66	61	77.1	3507
TOT	96	86	81	75	67	64	59	74.2	13029

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	<20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	MEAN	TOTAL OBS
0000	.1	2.1	16.4	65.7	30.2	7.4	77	2642			
0600	.2	.5	1.4	24.4	50.7	21.1	81	2671			
1201	.1	.5	1.1	23.7	60.7	22.4	81	2671			
1802	.1	2.1	16.9	65.8	27.4	5.9	76	2807			
TOT	.1	1.6	15.8	77.1	60.7	16.9	80	10404			

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1861-1979

MAY

AREA 0005 PUERTO VALLARTA
70.4N 107.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DGC F) AND THE OCCURRENCE OF FOG (W/OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DGC F)

AIR-SEA TEMP DIF	57	61	65	69	73	77	81	85	89	93	TOT	N	MC
	60	64	68	72	76	80	84	88	92			FOG	FOG
23/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	1	.0	.
20/22	.0	.0	.0	.0	.0	.	.	.0	.	.	9	.0	.1
17/19	.0	.0	.0	.0	.0	.	.	.	.	.	11	.0	.1
14/16	.0	.0	.0	.	.	.	.	.	.	.	27	.0	.2
11/13	.0	.0	.	.1	.1	.2	.1	.1	.	.	81	.	.7
9/10	.0	.0	.0	.	.2	.3	.3	.2	.1	.0	127	.	1.1
7/8	.0	.0	.	.2	.4	.5	.7	.2	.1	.0	244	.0	2.1
6	.0	.0	.	.3	.5	.5	.4	.3	.	.0	176	.0	1.4
5	.0	.0	.1	.2	.5	.7	.7	.3	.	.0	294	.0	2.6
4	.0	.	.1	.4	.6	1.2	1.1	.2	.	.0	613	.	5.6
3	.0	.	.1	.3	.7	1.3	1.0	.3	.	.0	826	.	7.7
2	.0	.	.3	.6	1.3	2.3	1.6	.2	.	.0	706	.	6.1
1	.0	.	.2	.7	1.7	2.0	1.0	.1	.0	.0	661	.	5.4
0	.0	.	.5	1.6	3.2	4.2	1.4	.1	.0	.0	1269	.1	11.0
-1	.0	.1	.5	1.5	3.3	5.0	1.0	.1	.0	.0	1072	.	9.3
-2	.0	.1	.9	2.4	4.4	5.9	.8	.	.0	.0	1430	.	12.4
-3	.0	.1	.7	2.0	3.6	2.7	.4	.	.0	.0	1001	.	9.4
-4	.0	.2	1.0	2.6	3.7	1.9	.3	.0	.0	.0	1112	.	9.7
-5	.0	.	1.0	2.1	2.7	1.2	.1	.0	.0	.0	907	.	7.0
-6	.0	.1	.7	1.6	1.9	.6	.	.0	.0	.0	564	.	4.9
-7/-8	.0	.	1.1	2.0	1.7	.5	.1	.0	.0	.0	618	.	5.4
-9/-10	.0	.1	.4	.4	.5	.1	.	.0	.0	.0	205	.	1.8
-11/-13	.0	.	.3	.3	.1	.	.0	.0	.0	.0	84	.	.7
-14/-16	.0	.	.	.1	.0	.0	.0	.0	.0	.0	12	.0	.1
-17/-19	.0	.	.0	.	.0	.0	.0	.0	.0	.0	4	.	.
-20/-22	.0	.	.	.	.	.0	.0	.0	.0	.0	5	.0	.
TOTAL	1		515	2227	3541	1092	253	5	3	11436	41	11395	
PCT	.	.0	0.0	19.3	51.0	27.0	11.1	2.2	.1	100.0	.4	99.6	

PERIOD: (OVER-ALL) 1861-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.5	1.3	.0	.0	.0	.0	1.8	.1	.3	.	.0	.0	.0	.4
1-2	.4	1.1	1.1	.0	.0	.0	4.4	.	.4	.0	.0	.0	.0	.4
3-4	.1	1.4	1.1	.0	.0	.0	2.6	.	.1	.1	.0	.0	.0	.2
5-6	.0	.2	.7	.	.0	.0	.9	.0	.	.	.0	.0	.0	.1
7	.0	.1	.2	.	.0	.0	.4	.0	.0	.	.0	.0	.0	.
8-9	.0	.0	.0	.	.0	.0	.	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	6.1	7.1	.1	.0	.0	10.3	.1	.9	.1	.0	.0	.0	1.1

WGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.1	.2	.0	.0	.0	.0	.2	.0	.	.	.0	.0	.0	.1
1-2	.	.1	.	.0	.0	.0	.4	.	.1	.	.0	.0	.0	.4
3-4	.	.1	.0	.0	.0	.0	.1	.	.1	.	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
7	.0	.	.	.	.0	.0	.1	.0	.	.0	.0	.0	.0	.
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.6	.1	.0	.0	.0	.8	.1	.5	.1	.0	.0	.0	.7

PERIOD: (OVER-ALL) 1963-1979

NAV

TABLE 18 (CONT)

AREA 0005 PUERTO VALLARTA
2C.44 1C7.46

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.1	.2	.0	.0	.0	.0	.3	.2	.5	.0	.0	.0	.0	.6
1-2	.1	.4	.1	.0	.0	.0	.5	.0	1.2	.0	.0	.0	.0	1.3
3-4	.1	.1	.0	.0	.0	.0	.2	.1	.3	.7	.0	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	.7	.1	.0	.0	.0	1.2	.2	2.0	.3	.0	.0	.0	2.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
C1	.8	2.1	.0	.0	.0	.0	3.0	.0	3.1	.2	.0	.0	.0	.1	
1-2	.5	7.7	2.2	.0	.0	.0	10.4	1.0	13.5	5.6	.0	.0	.0	20.0	
3-4	.3	3.5	3.7	.1	.0	.0	7.5	.3	8.6	10.0	.1	.0	.0	19.0	
5-6	.1	.5	2.2	.2	.0	.0	3.0	.0	1.7	5.8	.5	.0	.0	8.1	
7	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.8	.4	.0	.0	2.1	
8-9	.0	.1	.1	.1	.0	.0	.2	.0	.1	.1	.2	.0	.0	.4	
10-11	.0	.6	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.6	13.6	8.9	.7	.0	.0	29.0	2.1	27.3	23.1	1.3	.0	.0	53.8	95.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
C1	7.3	7.7	.3	.0	.0	.0	15.4	005
1-2	2.5	26.8	8.9	.0	.0	.0	38.2	
3-4	.9	14.0	14.9	.2	.0	.0	30.0	
5-6	.1	2.5	8.7	.7	.0	.0	12.0	
7	.0	.0	2.3	.6	.0	.0	3.5	
8-9	.0	.1	.2	.3	.0	.0	.7	
10-11	.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.8	51.6	35.4	2.1	.0	.0	100.0	2850

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.2	17.1	19.9	6.5	2.4	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4926
6-7	.2	2.2	7.8	7.0	2.9	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2800
8-9	.0	1.0	2.8	2.8	1.4	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	810
10-11	.0	.7	1.4	1.1	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	373
12-13	.0	.0	.7	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	161
14-15	.0	.0	.0	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	105
16-17	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	915
18-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4290
TOTAL	4.2	21.3	31.9	20.0	7.6	2.4	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
PCT	.1	22.6	34.3	21.6	8.2	2.6	1.1	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1881-1979

JUNE

APEA CDO5 PUERTO VALLARTA
20.5N 107.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW PCPN	OTHER FZLN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DLST BLUE SNOW	NC SIG SEA
N	1.1	.6	.9	.0	.0	.0	.0	2.5	.4	2.1	.0	.0	.9	.0	94.2
NE	2.2	.9	1.6	.0	.0	.0	.0	4.2	2.3	2.7	.0	.0	1.3	.0	90.3
E	3.9	3.1	.9	.0	.0	.0	.0	7.9	1.6	4.1	.0	.0	.6	.0	85.7
SE	3.2	2.2	1.5	.0	.0	.0	.0	6.9	1.7	2.2	.4	.0	1.2	.0	87.8
S	2.2	.6	1.9	.0	.0	.0	.0	4.7	1.6	2.0	.5	.3	1.4	.0	89.5
SW	.3	.4	.1	.0	.0	.0	.0	.8	.3	1.0	.4	.2	2.1	.0	95.2
W	.2	.2	.4	.0	.0	.0	.0	.8	.2	.8	.1	.0	1.6	.1	96.1
NW	.4	.2	.2	.0	.0	.0	.0	.8	.4	.9	.2	.0	1.3	.1	96.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.5	.0	.0	.0	.0	.0	.0	1.2	.0	1.4	.9	.0	2.9	.0	93.2
TOT PCT	.7	.4	.5	.0	.0	.0	.0	1.6	.5	1.2	.3	.0	1.5	.0	94.9
TOT OBS: 11476															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FZLN PCPN	HAUL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DLST BLUG SNCH	NC SIG SEA
0000Z	.3	.3	.3	.0	.0	.0	.0	.9	.2	.7	.3	.0	1.9	.0	96.5
0600Z	.7	.3	.3	.0	.0	.0	.0	1.2	.4	3.2	.2	.0	1.2	.1	93.8
1201Z	1.3	.6	1.2	.0	.0	.0	.0	3.1	.8	1.7	.5	.0	1.1	.1	92.7
1802Z	.5	.6	.3	.0	.0	.0	.0	1.5	.6	.1	.2	.1	1.7	.0	96.0
TOT PCT	.7	.4	.5	.0	.0	.0	.0	1.6	.5	1.2	.3	.0	1.5	.0	94.9
TOT OBS: 11471															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	.9	4.4	1.4	.0	.0	.0		6.7	8.1	4.4	5.0	6.1	6.2	8.6	8.3	8.0	3.5	
NE	.3	1.4	.3	.0	.0	.0		2.0	7.3	.4	2.8	1.5	.6	2.7	1.6	3.0	2.7	
E	.5	1.9	.5	.1	.0	.0		2.6	6.9	1.0	2.8	2.5	.6	2.8	3.1	3.3	9.0	
SE	.7	1.9	1.2	.4	.0	.0		4.2	10.4	1.0	5.3	1.6	3.6	1.7	3.3	5.7	2.6	
S	.7	2.4	.6	.1	.0	.0		3.8	7.6	1.0	2.4	3.6	1.9	3.5	2.9	4.6	2.6	
SW	.0	4.8	1.2	.1	.0	.0		6.0	7.7	8.3	3.9	5.0	6.1	5.9	8.3	7.4	10.9	
W	2.4	17.4	10.1	.6	.0	.0		30.5	9.0	36.1	31.3	31.1	37.9	26.6	29.6	27.4	35.7	
NW	2.3	20.1	14.0	.8	.0	.0		37.3	10.4	38.2	42.6	40.2	37.0	37.4	37.0	33.9	33.8	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	6.0							6.0	.0	2.6	4.0	6.4	4.1	8.7	5.9	6.8	3.2	
TOT OBS	1792	6579	3582	284	17	2	17221		9.0	2973	226	2639	164	2554	340	3235	185	
TOT PCT	14.7	53.6	29.3	2.1	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40						00	06	12	18
N	2.9	3.7	.2	.0	.0	.0	6.7	8.1	4.4	6.1	8.5	7.8	
NE	1.1	.9	.1	.0	.0	.0	2.0	7.3	.4	1.4	2.6	3.0	
E	1.3	1.1	.2	.1	.0	.0	2.6	6.9	1.0	2.3	2.9	3.4	
SE	1.6	1.8	.7	.1	.0	.0	4.2	10.4	1.0	1.6	1.7	5.6	
S	2.0	1.5	.2	.0	.0	.0	3.8	7.6	1.0	1.5	3.4	4.5	
SW	3.1	3.4	.2	.0	.0	.0	6.8	7.7	8.3	5.2	6.1	7.6	
W	9.3	16.3	2.8	.1	.0	.0	30.5	9.0	35.8	31.5	27.0	27.9	
NW	9.5	23.5	4.2	.0	.0	.0	37.3	10.4	38.5	40.0	37.4	33.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	6.0						6.0	.0	2.6	4.3	6.4	6.5	
TOT OBS	4564	6617	1050	.3	.1	12721		9.0	3099	2808	2894	3420	
TOT PCT	36.9	54.1	8.6	.4	.1		100.0		100.0	100.0	100.0	100.0	

JUNE

PERIOD: (PRIMARY) 1951-1970
(OVER-ALL) 1981-1970AREA CODE PUERTO RICO
20.5N 107.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-5	6-10	WIND SPEED (KNOTS)				NO.	PCT	TOTAL
				11-21	22-31	32-47	48+			
0700	2.9	6.8	51.4	36.2	7.4	.2	0	10.1	100.0	1099
0800	6.3	7.0	59.2	31.6	1.9	0	.0	9.3	100.0	2000
1200	6.4	9.5	56.0	26.5	1.9	.1	0	6.3	100.0	2000
1800	6.5	11.1	54.0	25.3	2.2	.1	.0	8.5	100.0	3420
TOT	7.3	10.1	64.9	35.0	2.5	.2	0	9.0		12721
PCT	6.0	8.7	53.0	29.3	2.1	.1	0		100.0	

TABLE 4

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL	MEAN
N	2.4	1.6	2.0	.7	3.4	
NE	.4	.4	.7	.4	0.6	
E	.6	.5	.9	.4	0.7	
SE	1.0	.4	1.5	.8	0.7	
S	1.3	.7	1.4	.4	0.2	
SW	2.8	1.0	2.0	.6	3.4	
W	13.0	6.6	4.0	1.7	3.4	
NW	15.1	7.7	10.0	4.5	3.6	
VAR	.0	.0	.0	.0	.0	
CALM	2.6	1.0	1.4	.6	3.6	
TOT OBS	3681	1980	2611	1080	9350	
TOT PCT	39.1	21.2	27.9	11.6	100.0	

TABLE 4

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT) AND
OCCURRENCE OF WIND DIRECTION

000	150	300	600	1000	2000	3000	5000	6000	8000+	WIND DIR	TOTAL
100	200	500	900	1000	1500	4000	6000	7000			OBS
0	0	.1	.2	.6	.1	.2	0	0	0	N	5.2
0	0	0	0	.1	.1	0	0	0	0	NE	1.7
0	.0	0	.1	.2	.1	.1	0	.0	.0	E	1.6
0	0	.1	.1	.4	.1	.1	0	.0	.0	SE	2.8
0	0	.1	.2	.6	.2	.1	.0	0	0	S	2.8
0	.0	.1	.1	.6	.3	.1	0	.1	0	SW	5.2
.1	0	.2	1.4	1.2	1.6	.6	.2	.1	.1	W	23.1
.1	.7	.7	2.7	3.9	1.4	.8	.3	.1	.2	NW	27.6
.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	VAR	.0
.1	.0	0	.3	.5	.2	.1	0	0	0	CALM	9.6
36	27	82	107	936	600	211	51	31	40	TOT OBS	9350
.4	.3	.9	9.4	10.0	9.0	2.3	.5	.3	.4	TOT PCT	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (WIND DIR) AND VISIB (M)

CEILING (FEET)	: OR >10	: OR >5	: OR >2	VISIB (M)		: OR >1/2	: OR >1/4	: OR >500C	: OR >C
				: OR >1	: OR >1/2				
: OR >6000	.7	.7	.8	.8	.8	.8	.8	.8	.8
: OR >4000	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
: OR >3500	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
: OR >2000	7.0	8.5	8.6	8.6	8.6	8.6	8.6	8.6	8.6
: OR >1000	16.5	18.3	18.6	18.6	18.6	18.6	18.6	18.6	18.6
: OR >600	21.1	23.6	23.9	23.9	24.0	24.0	24.0	24.0	24.0
: OR >300	21.6	24.4	24.8	24.8	24.8	24.8	24.8	24.8	24.8
: OR >150	21.8	24.7	25.0	25.1	25.1	25.1	25.1	25.1	25.1
: OR >0	22.0	24.9	25.4	25.4	25.5	25.5	25.5	25.5	25.5
TOTAL	2055	2372	2412	2419	2423	2427	2428	2428	2428

TOTAL NUMBER OF OBS: 9513

PCT FREQ WIND DIR: 74.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	9	TOTAL
24.0	16.1	14.5	11.3	8.4	5.8	6.4	5.8	7.1	.2	100.0

PERIOD: (PRIMARY) 1951-1970
(OVER-ALL) 1981-1979

JUNE

AREA CODES PUERTO VALLARTA
20.5N 107.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	PCP	.0	.0	0	.0	.0	.0	0	.0	.0	.0	0	
	NO PCP	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.1	.1
	TOT B	.0	.0	0	0	.0	.0	.0	0	.0	.0	.1	
1/2<1	PCP	.0	0	0	0	0	.0	.0	.0	.0	.0	0	
	NO PCP	0	.0	.0	0	.0	0	0	0	.0	.0	.0	.0
	TOT B	0	0	0	0	0	0	0	0	.0	.0	.0	.0
1<2	PCP	0	0	.0	.0	0	.0	.0	0	.0	0	.1	
	NO PCP	.0	.0	.0	0	0	0	0	0	.0	.0	.1	.1
	TOT B	0	0	.0	0	0	0	0	0	.0	.0	.1	.1
2<5	PCP	0	0	0	.1	0	0	0	0	.0	.0	.2	
	NO PCP	0	0	0	0	0	0	.1	.1	.0	0	.3	.3
	TOT B	0	0	0	.1	0	0	.1	.1	.0	0	.5	.5
5<10	PCP	0	0	.1	.1	.1	0	.1	.1	.0	0	.5	
	NO PCP	.4	.2	.2	.4	.3	.4	2.0	2.5	.0	.4	8.7	8.7
	TOT B	.5	.2	.3	.5	.4	.4	2.0	2.6	.0	.4	9.2	9.2
10+	PCP	.1	0	.1	.1	.1	0	.2	.1	.0	0	.4	
	NO PCP	6.2	1.7	2.1	3.0	3.3	6.2	28.4	34.6	.0	5.3	91.2	91.2
	TOT B	6.3	1.7	2.2	3.5	3.4	6.3	28.5	34.7	.0	5.3	91.6	91.6
TOT OBS													11471
TOT PCT		6.8	2.0	2.5	4.2	3.7	6.8	30.7	37.5	.0	5.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
	4-10	0	.0	.0	.0	.0	0	0	0	.0	0	.1	.1
	11-21	.0	.0	0	.0	.0	.0	0	0	.0	0	.1	.1
	22+	.0	.0	.0	0	.0	.0	.0	.0	.0	0	0	0
	TOT B	0	.0	0	0	.0	0	.1	.1	.0	.1	.2	.2
1/2<1	0-3	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	0	
	4-10	0	.0	.0	0	.0	0	0	0	.0	0	.1	.1
	11-21	.0	.0	0	0	0	0	0	0	.0	0	0	0
	22+	.0	0	0	.0	0	.0	.0	.0	.0	.0	0	0
	TOT B	0	0	0	0	0	0	0	0	.0	.0	.1	.1
1<2	0-3	.0	.0	.0	0	.0	.0	0	0	.0	0	0	
	4-10	.0	.0	.0	0	0	.0	0	0	.0	0	0	0
	11-21	.0	.0	0	0	0	0	0	0	.0	0	.1	.1
	22+	0	0	.0	0	0	.0	.0	.0	.0	0	0	0
	TOT B	0	0	0	0	0	0	0	0	.0	0	.1	.1
2<5	0-3	.0	.0	.0	0	.0	0	0	0	.0	0	.1	.1
	4-10	0	0	0	0	0	0	.1	.1	.0	0	.3	.3
	11-21	0	0	0	0	0	0	.1	.1	.0	0	.3	.3
	22+	0	0	0	0	.0	.0	0	0	.0	0	.1	.1
	TOT B	.1	0	0	.1	0	.1	.2	.2	.0	0	.7	.7
5<10	0-3	.1	0	0	.1	0	0	.1	.2	.0	.4	1.0	1.0
	4-10	.3	.1	.1	.2	.2	.3	1.0	1.3	.0	0	3.4	3.4
	11-21	.1	.1	.1	.2	.1	.1	.4	1.1	.0	0	2.5	2.5
	22+	.0	0	.1	.1	.0	0	.1	0	.0	0	.4	.4
	TOT B	.5	.2	.3	.5	.3	.4	2.0	2.6	.0	.4	7.2	7.2
10+	0-3	.0	.3	.4	.6	.7	.7	2.3	2.0	.0	5.4	13.3	13.3
	4-10	4.1	1.3	1.3	1.7	2.1	4.4	16.3	16.7	.0	0	49.9	49.9
	11-21	1.3	.2	.4	1.0	.5	1.0	9.4	13.0	.0	0	26.7	26.7
	22+	0	0	.1	.2	.1	0	.5	.8	.0	0	1.7	1.7
	TOT B	6.2	1.7	2.2	3.6	3.4	6.2	28.4	34.5	.0	5.4	91.6	91.6
TOT OBS													11916
TOT PCT		6.8	2.0	2.5	4.2	3.7	6.7	30.7	37.4	.0	5.8	100.0	

JUNE

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1981-1979APFA 0005 PUERTO VALLARTA
20.54 107.00

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM 30/01) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	2000	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000	.1	.1	.5	3.0	7.0	3.0	1.0	.2	.1	.1	10.0	81.1	2505				
0600	.0	0	.0	0.1	0.0	0.0	1.5	.0	.0	.2	20.0	70.0	2200				
1200	.0	.0	1.0	0.1	15.5	0.0	2.0	.7	.2	.7	31.5	40.0	2200				
1800	.3	.3	.0	0.5	0.0	5.1	2.0	.0	.1	.0	20.1	70.0	2700				
TOT	30	27	03	517	952	470	214	52	32	40	2434	7062	9896				
PCT	.0	.3	.0	5.2	9.0	4.0	2.2	.5	.3	.0	24.0	70.0	100.0				

TABLE 11

PERCENT FREQUENCY USBY INDI BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.1	.1	.1	.0	5.7	93.5	3045
0600	.1	0	.1	.5	7.1	92.2	2010
1200	.3	.2	.3	1.2	9.0	87.9	2070
1800	.2	.1	.1	.0	6.7	92.3	3373
TOT	25	13	10	06	886	11004	12112
PCT	.2	.1	.1	.7	7.3	91.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF USBY INDI AND/OR
CEILING HGT (FEET, NM 30/01) BY HOUR

HOUR (GMT)	<150	<600	<1000	1000+	NM <5/8 AND 5+	TOTAL OBS
0000	.1	.0	0.7	15.0	80.7	2073
0600	.5	1.5	5.0	15.7	70.0	2172
1200	.0	2.0	12.7	20.0	62.9	2210
1800	.3	1.0	6.0	10.0	70.0	2050
TOT	30	10	600	1700	7000	9513
PCT	.0	1.0	7.3	16.9	70.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	0	0	0	0	.0	5	.1
90/94	.0	0	0	0	.0	.1	.1	0	50	.0
85/89	.0	0	0	.3	1.0	3.0	1.0	.2	570	0.0
80/84	.0	.0	0	.0	3.0	12.0	11.7	2.3	2020	30.5
75/79	.0	.0	0	.2	2.2	12.6	10.7	5.0	3325	34.7
70/74	.0	.0	0	0	.0	5.0	9.0	5.0	2020	21.1
65/69	.0	.0	.0	0	0	.0	3.3	2.3	621	6.5
60/64	.0	.0	.0	0	0	0	.2	.3	00	.5
TOTAL	0	2	10	05	829	3700	3625	1524	9500	100.0
PCT	.0	0	.1	1.0	8.6	34.5	30.0	15.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	WN	VAR	CALP
.0	.0	.0	0	0	.0	0	.0	.0	.0
0	0	0	.1	0	0	.1	.2	.0	0
.0	.2	.3	.0	.5	.0	1.0	1.7	.0	.5
3.0	1.1	1.2	2.1	1.0	2.0	7.0	10.2	.0	2.5
2.5	.0	.0	1.0	1.1	2.0	10.0	15.1	.0	2.3
1.0	.1	.1	.2	.0	1.2	0.1	0.1	.0	.0
.2	0	0	.1	.1	.2	2.5	3.3	.0	.1
0	.0	.0	0	.0	0	.1	.3	.0	.0
7.1	2.0	2.5	4.1	3.7	6.0	30.0	70.1	.0	6.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	95	90	86	80	70	67	60	79.1	107
0600	93	84	82	76	68	65	62	75.0	2051
1200	93	84	82	76	67	64	61	75.0	2003
1800	95	89	86	80	70	64	63	79.2	3441
TOT	95	88	85	78	68	65	60	77.5	12342

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	1.7	11.7	45.0	32.0	0.3	70	2001		
0600	.0	.5	3.2	20.1	50.0	22.2	83	2120		
1200	.0	.5	3.2	21.7	40.0	20.0	90	2110		
1800	.0	1.7	15.2	43.0	31.1	0.5	70	2000		
TOT	0	100	807	3301	3900	1500	01	9757		

PERIOD: (OVER-ALL) 1963-1970

JUNE

AREA CODES PUERTO VALLARTA
20.94 107.04

TABLE 10 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-7	8-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	.0	.0	.0	.0	.7	.2	.8	.0	.0	.0	.0	1.0
1-2	.2	.6	.0	.0	.0	.0	.8	.1	2.5	.3	.0	.0	.0	2.9
3-4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
5-6	.0	.0	.1	.0	.0	.0	.1	.0	.1	.2	.0	.0	.0	.3
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.6	.9	.0	.0	.0	2.3	.3	6.3	.9	.0	.0	.0	5.6

HGT	1-7	8-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.5	2.0	.2	.0	.0	.0	2.7	.7	2.4	.1	.0	.0	.0	3.1	
1-2	.8	10.5	5.1	.0	.0	.0	18.4	.8	11.7	4.2	.0	.0	.0	26.7	
3-4	.2	3.9	5.1	.1	.0	.0	9.2	.1	8.0	7.9	.3	.0	.0	19.3	
5-6	.1	1.0	2.2	.1	.0	.0	3.4	.0	1.1	4.3	.4	.0	.0	5.8	
7	.0	.1	.0	.2	.0	.0	1.1	.0	.1	1.1	.1	.0	.0	1.3	
8-9	.0	.1	.1	.1	.0	.0	.3	.0	.1	.3	.1	.0	.0	.4	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
15-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.6	17.7	11.4	.7	.0	.0	31.4	1.6	21.3	17.9	1.1	.0	.0	41.9	99.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	0.0	7.6	.4	.0	.0	.0	16.7	
1-2	3.1	28.8	8.1	.0	.0	.0	40.0	
3-4	.5	13.0	14.4	.4	.0	.0	28.1	
5-6	.1	2.5	7.3	.0	.0	.0	10.7	
7	.0	.3	2.1	.5	.0	.0	3.0	
8-9	.0	.2	.4	.3	.0	.0	.9	
10-11	.0	.0	.1	.0	.1	.0	.2	
12	.0	.0	.0	.1	.0	.0	.1	
13-14	.0	.0	.0	.0	.0	.0	.0	
15-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	12.5	52.3	52.8	2.3	.1	.0	100.0	2517

PERIOD: (OVER-ALL) 1960-1970

TABLE 10

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<1	4.1	17.2	18.1	7.7	2.2	.6	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4327
1-2	.1	2.8	7.3	7.7	3.2	1.2	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1995
3-4	.1	.9	2.2	2.9	1.5	1.1	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	819
5-6	.0	.6	.8	.9	.7	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	330
7-11	.0	.0	.6	.5	.4	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	164
13-17	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	67
19-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7
30-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	876
TOTAL	768	1977	2677	1796	729	327	196	62	8	5	1	1	2	0	0	0	0	0	0	0	8575
PCT	9.0	23.1	31.2	20.9	8.5	3.8	1.8	.8	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1879-1979

JULY

AREA CODES PUERTO VALLARTA
20.5N 107.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FZ2N PCPN	HAIL	PCPN AT 00 TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG AT 00 TIME	FOG PAST HOUR	SMOKE	SPRAY	W/ BLUG	W/ SIG
N	1.4	.2	.0	.0	.0	.0	.0	2.1	.9	3.7	.2	.1	.0	.0	.1	.1	92.3
NE	2.7	1.2	.0	.0	.0	.0	.0	4.7	1.7	6.9	.1	.0	.0	.0	.0	.0	96.5
E	3.3	1.7	1.4	.0	.0	.0	.0	6.5	5.9	6.1	.1	.0	.0	.0	.0	.0	91.8
SE	3.0	3.0	1.7	.0	.0	.0	.0	8.7	8.5	5.0	.0	.0	.0	.0	.0	.0	92.1
S	3.5	1.0	1.0	.0	.0	.0	.0	8.7	3.0	5.3	.1	.1	.7	.0	.0	.0	94.1
SW	2.1	.9	.9	.0	.0	.0	.0	3.0	1.4	3.0	.1	.0	.0	.0	.0	.0	90.5
W	1.1	.4	.3	.0	.0	.0	.0	1.0	.4	2.0	.2	.0	.0	1.2	.1	.0	95.5
NW	.6	.1	.3	.0	.0	.0	.0	1.1	.4	2.9	.5	.0	.0	.0	.0	.0	94.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.9	.3	.2	.0	.0	.0	.0	1.4	.0	0.0	.4	.0	.0	1.2	.0	.0	90.5
TOT PCT	1.7	.9	.7	.0	.0	.0	.0	3.2	1.0	4.0	.3	.0	.0	.0	.1	.1	90.1
TOT OBS:	11500																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR GMT	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FZ2N PCPN	HAIL	PCPN AT 00 TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG AT 00 TIME	FOG PAST HOUR	SMOKE	SPRAY	W/ BLUG	W/ SIG
0000	1.2	.4	.3	.0	.0	.0	.0	1.9	1.0	.0	.3	.0	.0	.0	.0	.0	96.1
0600	1.5	.4	.0	.0	.0	.0	.0	2.0	1.1	10.1	.7	.0	.0	.0	.0	.0	88.8
1200	2.0	1.0	1.0	.0	.0	.0	.0	5.4	2.9	0.0	.3	.0	.0	.0	.0	.0	95.0
1800	1.5	1.0	.7	.0	.0	.0	.0	3.1	1.7	.0	.2	.1	.0	.0	.0	.0	93.0
TOT PCT	1.7	.9	.7	.0	.0	.0	.0	3.2	1.0	4.0	.3	.0	.0	.0	.1	.1	90.1
TOT OBS:	11002																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-7	8-10	11-21	22-37	38-47	48+	00				06	12	18	24	24			
N	1.5	0.0	1.0	.0	.0	.0		0.6	1.7	7.7	1.0	0.0	1.2	10.1	1.4	12.7	7.7	
NE	.9	3.1	.5	.0	.0	.0		4.5	7.0	2.1	2.0	1.9	0.2	0.2	0.2	1.1	4.9	
E	.9	3.0	1.7	.0	.0	.0		6.2	8.9	3.7	3.0	5.9	1.0	1.0	0.2	0.4	4.1	
SE	1.3	5.9	3.1	1.1	.2	.0		11.0	11.9	10.1	13.0	10.1	10.1	0.4	12.7	12.7	19.9	
S	1.0	0.1	1.2	.0	.1	.0		0.6	0.6	0.0	10.4	0.0	1.7	0.0	1.9	1.1	1.0	
SW	1.0	0.1	.4	.0	.0	.0		0.3	1.1	0.7	0.2	5.0	1.0	1.0	0.0	1.0	1.0	
W	2.5	13.1	0.0	.0	.0	.0		20.3	0.1	20.1	20.0	17.7	17.7	18.7	18.0	19.9	19.1	
NW	2.0	10.0	1.1	.2	.0	.0		20.7	0.7	20.0	20.0	17.5	17.5	18.7	18.0	19.9	19.1	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	0.0							0.0	.0	0.0	0.0	11.2	1.1	11.2	0.0	0.0	1.1	
TOT OBS	2501	7001	2526	201	19	0	17417		7.9	200.7	222	272	191	290	191	191.0	210	
TOT PCT	20.4	56.7	20.3	2.7	.3	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 4

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-10	11-27	28-40	41+						00	06	12	18
N	0.0	0.0	.1	.0	.0		0.6	1.7	7.7	0.0	0.0	0.0	11.9	
NE	2.0	1.7	.1	.0	.0		4.5	7.0	2.1	2.0	0.0	0.0	0.0	
E	2.0	2.0	.0	.1	.0		6.2	8.9	3.7	3.0	0.0	0.0	0.0	
SE	3.0	0.0	1.7	.7	.0		11.0	11.9	10.1	13.0	0.0	0.0	12.0	
S	3.0	1.0	.0	.1	.0		0.6	0.6	0.0	10.4	0.0	0.0	0.0	
SW	3.0	1.0	.1	.0	.0		0.3	1.1	0.7	0.2	0.0	0.0	0.0	
W	0.0	11.0	.7	.0	.0		20.3	0.1	20.1	20.0	17.7	17.7	18.7	
NW	10.1	15.2	1.0	.0	.0		26.7	0.7	20.0	20.0	17.5	17.5	18.7	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
CALM	0.0						0.0	.0	0.0	0.0	11.2	1.1	11.2	
TOT OBS	1070	6701	607	129	0	17417		7.9	200.7	222	272	191	290	
TOT PCT	67.1	60.2	3.0	1.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	

JULY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1879-1979AREA 0005 PUERTO VALLARTA
2C.54 1C7.46

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000	6.3	11.5	56.8	22.4	2.6	.3	0	8.4	100.0	3069
0600	10.6	10.2	57.5	19.6	1.8	.3	0	7.7	100.0	2914
1200	11.0	11.0	57.8	18.1	1.8	.2	0	7.5	100.0	2927
1800	8.1	13.6	55.0	21.0	1.8	.3	.1	7.8	100.0	3516
TOT	1109	1452	7043	2676	250	33	4	7.9		12417
PCT	8.9	11.7	56.7	20.3	2.0	.3	0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 6	TOTAL CLOUD OBSCD	OBS	MEAN CLOUD COVER
N	2.9	2.4	3.1	.9			4.0
NE	.8	1.0	1.6	.6			4.7
E	1.0	1.3	2.4	1.2			5.1
SE	1.7	2.4	4.7	2.6			5.3
S	1.2	1.9	7.8	1.3			6.9
SW	1.8	1.5	2.3	.9			4.3
W	7.4	4.8	5.5	1.8			3.6
NW	9.6	7.1	7.7	2.0			3.6
VAR	.0	.0	.0	.0			.0
CALM	1.2	2.1	2.6	.9			3.7
TOT OBS	2796	2350	3121	1135	9402		4.1
TOT PCT	29.7	25.0	33.2	12.1	100.0		

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM 34/3)
AND OCCURRENCE OF NM 34/3 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER	CEILING HEIGHTS (FT, NM 34/3)											TOTAL OBS
							000 149	150 299	300 599	600 999	1000 1999	2000 3499	3000 6999	5000 14999	6500 7999	8000+ ANY HGT		
N	2.9	2.4	3.1	.9		4.0	0	.0	.1	.4	.6	.3	.1	0	.1	0	0	0.0
NE	.8	1.0	1.6	.6		4.7	0	0	.1	.2	.4	.3	.1	0	0	0	.C	3.0
E	1.0	1.3	2.4	1.2		5.1	.1	0	.2	.5	.9	.4	.1	0	0	0	0	4.0
SE	1.7	2.4	4.7	2.6		5.3	.1	0	.3	.9	1.4	.7	.1	.1	.1	0	0	7.6
S	1.2	1.9	7.8	1.3		6.9	.1	0	.1	.5	.8	.4	.2	.1	0	0	0	4.8
SW	1.8	1.5	2.3	.9		4.3	0	0	.1	.3	.6	.3	.2	.1	0	0	0	4.8
W	7.4	4.8	5.5	1.8		3.6	.1	0	.1	.7	1.5	.5	.2	.1	0	.1	16.1	
NW	9.6	7.1	7.7	2.0		3.6	.1	0	.2	.9	2.0	.8	.4	.2	.1	.1	21.6	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	.0
CALM	1.2	2.1	2.6	.9		3.7	.1	0	.1	.1	.6	.2	.2	.1	.1	.1	7.4	
TOT OBS	2796	2350	3121	1135	9402	4.1	55	17	113	449	833	368	163	52	36	36	7280	9402
TOT PCT	29.7	25.0	33.2	12.1	100.0		.6	.2	1.2	4.8	8.9	3.9	1.7	.6	.4	.4	77.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM 34/3) AND VSBY (NMI)

CEILING (FEET)	VSBY (NMI)							
	≥ 0R	≥ 0R	≥ 0R	≥ 0R	≥ 0R	≥ 0R	≥ 0R	≥ 0R
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
≥ 0R >6500	.7	.8	.8	.8	.8	.8	.8	.8
≥ 0R >5000	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
≥ 0R >3500	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥ 0R >2000	6.4	6.9	6.9	6.9	6.9	6.9	6.9	6.9
≥ 0R >1000	19.0	15.8	15.8	15.8	15.8	15.8	15.8	15.8
≥ 0R >600	17.8	20.1	20.5	20.5	20.5	20.5	20.5	20.5
≥ 0R >300	18.6	21.2	21.6	21.7	21.8	21.8	21.8	21.8
≥ 0R >150	18.7	21.3	21.8	21.9	21.9	22.0	22.0	22.0
≥ 0R >0	18.9	21.7	22.3	22.4	22.5	22.5	22.6	22.6
TOTAL	1823	2093	2143	2157	2164	2169	2171	2171

TOTAL NUMBER OF OBS: 9626

PCT FREQ NM 34/3: 77.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
13.9	20.0	18.7	14.3	10.3	6.2	3.7	4.9	5.7	.3	10278

JULY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1979-1979AREA OBS PUERTO VALLARTA
70.54 107.44

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSDB (MM)		N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1<2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
2<5	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
5<10	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
10+	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS													
TOT PCT													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSDB (MM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1<2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
2<5	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
5<10	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
10+	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS													
TOT PCT													

PERIOD: 1961-1969 1971-1979
1980-1989 1990-1999

JULY

AREA CODE: PUERTO VALLARTA
20.50 107.00

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET) ON 100% AND OCCURRENCE OF 100% BY HOUR

HOUR (GMT)	000	100	200	300	400	500	600	700	800	900	1000	TOTAL	100% BY HOUR	TOTAL
0000	1.7	1.1	1.7	1.6	6.6	3.3	1.2	1.1	1.1	1.1	1.1	10.9	91.2	2002
0600	1.0	1.0	1.0	6.1	7.7	6.0	1.3	1.6	1.1	1.1	1.1	21.2	70.0	2320
1200	1.4	1.6	1.6	6.7	12.1	1.6	2.1	1.6	1.6	1.6	1.6	24.2	70.0	2305
1800	1.2	1.2	1.3	6.9	7.9	1.0	1.6	1.6	1.6	1.6	1.6	21.6	70.0	2000
TOT	16	16	16	129	679	679	170	160	160	160	160	2117	7001	10000
PER	1.6	1.6	1.6	12.9	67.9	67.9	17.0	16.0	16.0	16.0	16.0	211.7	70.01	1000.0

TABLE 11

PERCENT FREQUENCY 100% BY HOUR

HOUR (GMT)	100%	100%	100%	100%	100%	100%	100%	TOTAL
0000	1.7	1.1	1.7	1.6	6.6	3.3	1.2	91.2
0600	1.0	1.0	1.0	6.1	7.7	6.0	1.3	70.0
1200	1.4	1.6	1.6	6.7	12.1	1.6	2.1	70.0
1800	1.2	1.2	1.3	6.9	7.9	1.0	1.6	70.0
TOT	16	16	16	129	679	679	170	10000
PER	1.6	1.6	1.6	12.9	67.9	67.9	17.0	1000.0

TABLE 12

CUMULATIVE PERCENTAGE OF 100% BY HOUR (100% BY HOUR)

HOUR (GMT)	100%	100%	100%	100%	100%	100%	100%	TOTAL
0000	1.7	1.1	1.7	1.6	6.6	3.3	1.2	91.2
0600	1.0	1.0	1.0	6.1	7.7	6.0	1.3	70.0
1200	1.4	1.6	1.6	6.7	12.1	1.6	2.1	70.0
1800	1.2	1.2	1.3	6.9	7.9	1.0	1.6	70.0
TOT	16	16	16	129	679	679	170	10000
PER	1.6	1.6	1.6	12.9	67.9	67.9	17.0	1000.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP	0-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	60-65	65-70	70-75	75-80	80-85	85-90	90-95	95-100	TOTAL
0000	1.7	1.1	1.7	1.6	6.6	3.3	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	10.9
0600	1.0	1.0	1.0	6.1	7.7	6.0	1.3	1.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	21.2
1200	1.4	1.6	1.6	6.7	12.1	1.6	2.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	24.2
1800	1.2	1.2	1.3	6.9	7.9	1.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	21.6
TOT	16	16	16	129	679	679	170	160	160	160	160	160	160	160	160	160	2117
PER	1.6	1.6	1.6	12.9	67.9	67.9	17.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	211.7

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TEMP	0-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	60-65	65-70	70-75	75-80	80-85	85-90	90-95	95-100	TOTAL
0000	1.7	1.1	1.7	1.6	6.6	3.3	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	10.9
0600	1.0	1.0	1.0	6.1	7.7	6.0	1.3	1.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	21.2
1200	1.4	1.6	1.6	6.7	12.1	1.6	2.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	24.2
1800	1.2	1.2	1.3	6.9	7.9	1.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	21.6
TOT	16	16	16	129	679	679	170	160	160	160	160	160	160	160	160	160	2117
PER	1.6	1.6	1.6	12.9	67.9	67.9	17.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	211.7

TABLE 15

MEAN, RANGE AND PERCENTILES OF TEMP (100% BY HOUR)

HOUR (GMT)	MEAN	RANGE	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	TOTAL
0000	1.7	1.1	1.7	1.6	6.6	3.3	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	10.9
0600	1.0	1.0	1.0	6.1	7.7	6.0	1.3	1.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	21.2
1200	1.4	1.6	1.6	6.7	12.1	1.6	2.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	24.2
1800	1.2	1.2	1.3	6.9	7.9	1.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	21.6
TOT	16	16	16	129	679	679	170	160	160	160	160	160	160	160	160	160	2117
PER	1.6	1.6	1.6	12.9	67.9	67.9	17.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	211.7

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	MEAN	RANGE	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	PERCENTILES	TOTAL
0000	1.7	1.1	1.7	1.6	6.6	3.3	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	10.9
0600	1.0	1.0	1.0	6.1	7.7	6.0	1.3	1.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	21.2
1200	1.4	1.6	1.6	6.7	12.1	1.6	2.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	24.2
1800	1.2	1.2	1.3	6.9	7.9	1.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	21.6
TOT	16	16	16	129	679	679	170	160	160	160	160	160	160	160	160	160	2117
PER	1.6	1.6	1.6	12.9	67.9	67.9	17.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	211.7

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1879-1979

JULY

AREA CODES PUERTO VALLARTA
20.54 107.44

TABLE 17

PCT FREQ OF AIR TEMPERATURE (0FG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	n FOG	WC FGG
23/25	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
20/22	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	5	.0	.0
14/16	.0	.0	.0	.0	.0	.0	.0	.0	20	.0	.2
11/13	.0	.0	.0	.1	.2	.2	.1	.1	62	.0	.6
9/10	.0	.0	.0	.1	.3	.2	.2	.1	101	.0	.9
7/8	.0	.0	.1	.2	.4	.5	.1	.1	206	.0	1.8
5	.0	.0	.0	.2	.4	.6	.1	.0	186	.0	1.5
4	.0	.0	.1	.3	.5	.7	.1	.0	323	.0	2.9
3	.0	.0	.1	.3	1.3	1.5	.4	.0	407	.0	3.7
2	.0	.0	.2	.5	1.4	1.6	.1	.0	426	.0	3.9
1	.0	.1	.3	1.2	3.1	2.3	.2	.0	741	.0	7.2
0	.0	.0	.4	1.5	3.5	2.1	.1	.0	844	.0	7.7
-1	.0	.1	.7	2.6	7.7	2.4	.1	.0	1475	.0	13.5
-2	.0	.1	.7	2.8	6.6	1.5	.1	.0	1263	.0	11.6
-3	.0	.2	.9	3.7	8.6	.7	.0	.0	1540	.1	14.1
-4	.0	.1	.7	3.1	5.3	.3	.0	.0	1055	.0	9.6
-5	.0	.1	.7	3.5	4.1	.1	.0	.0	924	.0	8.5
-6	.0	.1	.4	2.6	1.0	.1	.0	.0	551	.0	5.0
-7	.0	.1	.5	1.7	.7	.0	.0	.0	314	.0	2.9
-7/-8	.0	.1	.4	1.7	.5	.0	.0	.0	313	.0	2.9
-9/-10	.0	.1	.3	.3	.1	.0	.0	.0	89	.0	.8
-11/-13	.0	.1	.1	.0	.0	.0	.0	.0	35	.0	.3
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.0
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.0
TOTAL	25	129	747	2891	5109	1675	286	49	10909	24	10885
PCT	.2	1.2	6.0	26.5	46.8	15.4	2.6	.4	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
01	.4	1.3	.0	.0	.0	.0	2.3	.4	.9	.0	.0	.0	.0	1.3
1-2	.4	.9	.0	.0	.0	.0	5.4	.2	2.3	.2	.0	.0	.0	2.6
3-4	.0	.9	1.0	.0	.0	.0	1.9	.0	.4	.1	.0	.0	.0	.5
5-6	.1	.1	.3	.0	.0	.0	.5	.0	.1	.1	.0	.0	.0	.2
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	6.4	7.4	.0	.0	.0	10.2	.4	5.8	.4	.0	.0	.0	4.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
01	.3	.8	.0	.0	.0	.0	1.1	.5	1.0	.0	.0	.0	.0	1.5
1-2	.1	1.9	.5	.0	.0	.0	2.4	.3	2.3	.7	.0	.0	.0	3.4
3-4	.1	.6	.7	.0	.0	.0	1.4	.1	1.3	1.3	.1	.0	.0	2.8
5-6	.0	.2	.7	.1	.0	.0	.5	.0	.2	1.7	.7	.0	.0	1.4
7	.0	.0	.1	.1	.0	.0	.2	.0	.0	.4	.7	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.4
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.5	1.4	.7	.0	.0	5.7	1.0	6.0	1.6	1.1	.1	.0	10.7

DATA CODE PHOTO VOLUME
PC.50 107.00

[illegible]

	1960										1961										1962									
	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99
1-9	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10-19	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
20-29	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
30-39	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
40-49	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
50-59	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
60-69	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
70-79	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80-89	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90-99	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100-109	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
110-119	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
120-129	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
130-139	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.2	1.1	1.0	1.0	1.0	1.0	1.0												

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PROCESSED UNDER E.O. 13526

PERIOD	1	1-2	1-6	5-6	7	8-9	10-11	12	13-14	15-16	16-22	23-25	26	72	73-60	61-66	66-67	67	74-76	76-80
16	5.9	17.1	18.2	9.0	1.0	.5	.3	.3	.2	0	.0	.0	.0	.0	.0	.0	.0	.0	92.9	9
6-7	.2	4.6	7.2	2.1	2.0	1.5	.7	.2	.2	.1	0	.0	.0	0	.0	.0	.0	.0	10.6	1
8-9	0	.0	2.0	3.2	1.5	1.2	.6	.3	.3	.1	0	0	.0	.0	.0	.0	.0	.0	9.3	0
10-11	.0	.0	1.3	1.7	.0	.5	.0	.2	.2	.1	0	0	.0	.0	.0	.0	.0	.0	9.2	0
12-13	.0	.0	.7	.4	.3	.2	.2	.1	.1	0	0	.0	.0	.0	.0	.0	.0	.0	1.9	0
13-14	.0	0	.0	.0	.0	.2	0	.1	0	0	.0	.0	0	.0	.0	.0	.0	.0	1.1	0
15-17	5.5	1.7	2.0	.9	.5	.1	.2	.0	.0	0	0	.0	0	.0	.0	.0	.0	.0	88.9	7
10-16	10.6	6.0	7.9	3.9	3.9	2.7	1.5	.7	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	10.0	2
6-12	12.2	23.3	26.0	17.5	8.0	3.1	2.3	1.4	1.6	.8	.0	0	0	.0	.0	.0	.0	.0	100.7	0

PERIOD: (PREPARED) 1957-1979
 (OBSERVED) 1967-1979

AUGUST

AREA DECS PUERTO VALLARTA
 20.5N 107.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SMOG	DRZ	FOZL PCPN	SMOG	OTHER FOZL PCPN	HAUL	PCPN AT 00 TIME	PCPN PAST HCLP	THUR LTNG	FOG	FOG AT PCPN	SMOKE	SPRAY	NC
N	1.3	1.3	.2	.0	.0	.0	.0	2.0	1.7	0.7	.0	.0	.0	.0	95.0
NE	3.1	1.5	.0	.0	.0	.0	.0	5.0	1.1	7.7	.0	.0	.0	.0	96.7
E	0.2	2.0	1.2	.0	.0	.0	.0	0.5	0.0	7.1	.0	.0	.0	.0	70.7
SE	0.3	2.0	1.0	.0	.0	.0	.0	10.0	0.0	0.7	.0	.0	.0	.0	70.0
S	0.0	1.0	2.2	.0	.0	.0	.0	0.2	0.7	0.7	.0	.0	.0	.0	90.0
SW	1.0	1.1	1.5	.0	.0	.0	.0	0.0	1.7	0.0	.0	.0	.0	.0	90.0
W	1.3	.0	.0	.0	.0	.0	.0	2.0	.0	0.0	.0	.0	.0	.0	92.0
NO	.0	.0	.0	.0	.0	.0	.0	1.0	.0	0.0	.0	.0	.0	.0	92.0
WSP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALP	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	0.5	.0	.0	.0	.0	90.7
TOT PCT	2.5	1.1	.7	.0	.0	.0	0	0.7	1.0	0.0	.0	.0	.0	.0	97.0
TOT OBS: 11502															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HCLP

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SMO	DRZ	FOZL PCPN	SMOG	OTHER FOZL PCPN	HAUL	PCPN AT 00 TIME	PCPN PAST HCLD	THUR LTNG	FOG	FOG AT PCPN	SMOKE PCPN PAST H	SPRAY PLUG DUST PLUG SMO	NC SIG WTR
0000Z	1.3	.0	.1	.0	.0	.0	.0	2.0	1.1	.0	.1	.0	.1	.1	95.7
0600Z	2.0	.0	.0	.0	.0	.0	.0	0.0	1.7	12.7	.2	.0	.0	.0	92.1
1200Z	0.0	1.0	1.1	.0	.0	.0	.0	0.0	2.0	12.0	.1	.0	.0	.0	70.0
1800Z	2.0	1.2	.7	.0	.0	.0	.0	0.7	2.7	.0	.1	.0	.2	.1	92.2
TOT PCT	2.5	1.2	.7	.0	.0	.0	0	0.7	1.0	0.0	.1	.0	.3	.1	97.0
TOT OBS: 1150Z															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HCLP

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPC	HCLP (GMT)							
	0-5	6-10	11-21	22-31	30-47	48+					00	01	06	09	12	15	18	21
N	1.0	0.0	1.7	0	0	.0		0.0	7.3	0.0	0.7	0.0	0.0	10.7	0.0	12.0	0.0	
NE	.0	2.0	.0	0	0	0		3.0	7.2	2.0	1.0	2.0	1.0	0.7	7.2	5.0	2.0	
E	1.1	3.0	1.0	.0	.0	0		0.0	0.2	1.0	0.7	1.7	0.7	7.0	10.0	0.0	0.0	
SE	1.2	0.7	0.0	1.0	.0	0		12.0	12.0	12.0	12.0	10.0	15.0	11.0	11.0	10.0	17.7	
S	1.2	0.5	2.1	.0	.0	0		0.0	0.0	10.0	12.0	0.7	0.7	0.0	0.0	7.0	0.0	
SW	1.0	1.7	.0	.0	.0	.0		5.0	0.0	7.0	0.0	0.0	0.0	1.7	6.2	0.0	7.7	
W	2.2	10.7	1.0	.0	.0	.0		15.0	7.0	10.7	10.0	17.0	21.0	15.0	17.0	11.0	10.7	
NO	7.1	10.0	0.1	.2	.0	.0		20.2	0.0	30.0	20.2	20.0	27.2	20.1	27.0	20.1	23.0	
WSP	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALP	0.1							0.1	.0	0.0	0.0	11.7	7.1	11.3	0.0	0.7	0.7	
TOT OBS	2007	0070	2036	121	00	7	17307	0.1		2052	212	2077	107	2530	101	2307	237	
TOT PCT	21.0	50.0	21.0	2.0	.5	.1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				01+	TOTAL OBS	PCT FREQ	MEAN SPC	HCLP (GMT)			
	0-5	7-16	17-27	28-40					00	06	12	18
N	5.1	0.1	.2	0	.0	.0	0.0	7.3	0.0	0.0	10.0	12.0
NE	2.2	1.0	.1	0	0		3.0	7.2	2.0	2.0	5.0	5.0
E	3.1	2.0	.7	.0	0		0.0	0.2	1.0	0.0	0.1	0.0
SE	0.0	5.1	2.0	.0	.1		12.0	12.0	12.0	11.0	11.0	15.0
S	1.0	1.0	1.0	.0	.0		0.0	0.0	11.0	0.0	0.0	7.0
SW	1.2	1.0	.2	0	.0		5.0	0.0	7.0	5.0	0.0	0.0
W	1.0	0.0	.0	0	.0		15.0	7.0	10.1	17.0	15.0	12.2
NO	10.3	10.7	1.0	0	0		20.2	0.0	10.0	20.1	20.0	25.0
WSP	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALP	0.1						0.1	.0	0.7	10.0	11.0	0.0
TOT OBS	1003	5027	000	131	71	12307	0.1		1000	2070	2007	2372
TOT PCT	80.1	43.0	0.0	1.1	.7		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1987-1979AREA CODES PUERTO VALLARTA
7C.5N 107.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000Z	6.7	11.8	50.3	23.9	2.6	.7	0	0.5	100.0	3060
0600Z	10.9	11.8	50.9	19.3	2.4	.6	0	7.8	100.0	2074
1200Z	11.0	12.0	50.1	20.0	2.4	.5	0	7.8	100.0	2067
1800Z	8.0	14.0	52.0	21.7	2.0	.4	.1	0.1	100.0	3532
TOT	1120	1542	6675	2636	321	66	7	8.1		12367
PCT	9.1	12.5	50.0	21.3	2.6	.5	.1		100.0	

TABLE 4

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	D-2	3-4	5-7	8-1	TOTAL OBS	MEAN CLOUD COVER
N	7.1	2.4	2.4	1.0	13.9	3.0
NE	.9	.9	1.4	.5	4.6	1.0
E	1.0	1.5	2.5	1.6	5.2	1.0
SE	1.7	2.5	5.4	3.1	12.7	3.0
S	1.6	2.0	2.9	2.0	8.5	2.0
SW	1.4	1.5	1.7	.4	5.0	1.0
W	5.3	4.4	4.4	1.4	15.5	3.0
NW	10.4	8.1	8.0	2.2	28.7	3.0
VAR	.0	.0	.0	.0	.0	.0
CALM	9.2	2.6	2.0	.7	14.5	1.5
TOT OBS	2734	2471	2401	1264	9451	4.2
TOT PCT	24.0	20.1	21.5	13.4	100.0	

TABLE 4

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM > 4/P)
AND OCCURRENCE OF NH (5/P) BY WIND DIRECTION

NOO	150	300	600	1000	2000	3500	5000	6500	8000+	NH (5/P)	TOTAL
100	200	500	900	1400	2400	4400	6400	7400		ANY PCT	OBS
N	.1	0	.1	.5	.6	.7	.1	0	0	0	0.1
NE	0	0	.1	.2	.3	.1	.1	0	0	.1	2.0
E	.1	0	.2	.6	.8	.4	.1	0	0	0	0.2
SE	.2	0	.3	1.4	1.7	.5	.4	.1	.1	0	4.2
S	.1	.1	.2	.9	.9	.4	.2	0	0	0	5.0
SW	0	0	.1	.7	.3	.1	.1	0	0	0	4.3
W	0	0	.2	.6	1.1	.5	.2	.1	0	.1	12.7
NW	.1	0	.2	1.1	2.0	.9	.4	.2	0	0	25.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	0	0	.1	.2	.6	.7	0	0	0	0	7.6
TOT OBS	66	30	121	540	795	326	160	47	15	27	1951
TOT PCT	.7	.3	1.3	5.7	8.4	3.4	1.7	.5	.2	.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM > 4/P) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	> 10	> 15	> 20	> 25	> 30	> 35	> 40	> 45
> 36000	.4	.4	.4	.4	.4	.4	.4	.4
> 35000	.0	.0	.0	.0	.0	.0	.0	.0
> 34000	2.4	2.5	2.6	2.6	2.6	2.6	2.6	2.6
> 33000	5.4	5.9	6.0	6.0	6.0	6.0	6.0	6.0
> 32000	12.5	14.1	14.3	14.4	14.4	14.4	14.4	14.4
> 31000	16.5	19.5	20.0	20.1	20.1	20.1	20.1	20.2
> 3000	17.1	20.4	21.1	21.3	21.3	21.3	21.4	21.4
> 2900	17.3	20.6	21.3	21.9	21.6	21.6	21.7	21.7
> 2800	17.6	21.1	21.9	22.2	22.2	22.3	22.4	22.4
TOTAL	1648	2040	2117	2143	2149	2155	2163	2165

TOTAL NUMBER OF OBS: 9669

PCT FREQ NH (4/P): 77.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
10.3	10.7	21.1	16.5	10.8	6.0	6.0	4.4	5.9	.5	10236

AUGUST

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1982-1979AREA DCM5 PUERTO VALLARTA
20.5N 107.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

USDT (MM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	0	0	0	0	0	.0	.0	.0	.0	.1	
	NO PCP	.0	0	0	0	.0	.0	.0	.0	.0	.0	0	
	TOT B	.0	0	0	0	0	0	.0	.0	.0	.0	.1	
1/2<1	PCP	.0	0	0	0	0	0	0	0	.0	0	.1	
	NO PCP	.0	.0	.0	0	0	.0	.0	0	.0	.0	0	
	TOT B	.0	0	0	0	0	0	0	0	.0	0	.1	
1<2	PCP	0	.0	.1	.1	0	0	0	0	.0	.0	.1	
	NO PCP	0	0	.0	0	0	.0	.0	.0	.0	.0	0	
	TOT B	0	0	.1	.1	0	0	0	0	.0	0	.1	
2<5	PCP	0	0	.1	.2	.1	.1	0	.1	.0	0	.4	
	NO PCP	0	0	0	.1	.1	0	0	0	.0	0	.4	
	TOT B	.1	0	.1	.3	.2	.1	.1	.1	.0	0	.8	
5<10	PCP	.1	.1	.3	.5	.3	.1	.1	.1	.0	0	1.6	
	NO PCP	.5	.2	.6	1.1	.6	.3	.7	1.2	.0	.3	5.6	
	TOT B	.6	.3	.9	1.6	.9	.4	.8	1.3	.0	.3	7.0	
10+	PCP	.1	0	.2	.6	.2	.1	.1	.3	.0	.1	1.6	
	NO PCP	6.6	3.7	5.6	10.1	7.2	4.7	15.0	26.9	.0	6.3	89.8	
	TOT B	6.7	3.7	5.8	10.6	7.4	4.8	15.1	27.2	.0	6.4	91.4	
TOT OBS													11466
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

USDT (MM)	SPO KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	0	0	.0	.0	.0	0	0	0	.0	0	.1	
	11-21	.0	0	0	0	0	.0	.0	.0	.0	.0	.1	
	22+	.0	0	0	0	0	0	.0	0	.0	.0	.1	
	TOT B	0	0	0	0	0	0	0	0	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	
	4-10	.0	.0	0	0	0	0	.0	0	.0	0	0	
	11-21	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	0	
	22+	.0	0	0	0	0	.0	0	0	.0	0	.1	
	TOT B	.0	0	0	0	0	0	0	0	.0	0	.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	
	4-10	.0	.0	0	0	0	0	.0	0	.0	0	.1	
	11-21	0	.0	0	0	0	0	0	0	.0	0	.1	
	22+	0	0	0	.1	0	0	0	0	.0	0	.2	
	TOT B	0	0	.1	.1	.1	0	0	0	.0	0	.4	
2<5	0-3	.0	0	0	.0	.0	.0	0	0	.0	.1	.1	
	4-10	0	0	.1	0	.1	.1	.1	.1	.0	0	.5	
	11-21	0	0	0	.1	.1	0	0	.1	.0	0	.3	
	22+	.0	.0	0	.1	.1	0	0	0	.0	0	.3	
	TOT B	.1	0	.2	.3	.2	.1	.1	.2	.0	.1	1.3	
5<10	0-3	.1	0	0	.1	.1	0	.1	.1	.0	.3	.9	
	4-10	.3	.2	.3	.6	.3	.3	.5	.7	.0	0	2.9	
	11-21	.1	.1	.3	.7	.3	.1	.2	.5	.0	0	2.2	
	22+	0	0	.2	.5	.2	0	0	0	.0	0	1.0	
	TOT B	.5	.3	.8	1.6	.9	.4	.8	1.3	.0	.3	7.0	
10+	0-3	1.7	.7	1.0	1.2	1.1	.9	2.0	2.9	.0	6.5	19.9	
	4-10	5.7	2.3	3.9	5.2	4.1	3.5	10.2	16.2	.0	0	60.6	
	11-21	1.6	.9	1.1	1.2	1.0	.9	2.0	3.7	.0	0	19.0	
	22+	0	0	.1	.9	.3	0	0	.1	.0	0	1.6	
	TOT B	9.0	3.9	6.0	10.4	7.2	6.0	15.1	26.9	.0	6.5	91.1	
TOT OBS													11872
TOT PCT													100.0

PERIOD: (PRIMARY) 1953-1979
(COVER-ALL) 1982-1979

AUGUST

AREA CODES PUERTO VALLARTA
20.5N 107.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	UNC 144	150 209	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
0000Z	.3	.2	1.0	4.6	7.2	3.0	1.1	.6		.3	18.4	81.6	2653
0600Z	.8	.2	1.0	5.3	7.2	3.3	1.2	.2	.3	.2	19.7	80.3	2333
1201Z	1.1	.5	1.5	7.5	9.4	4.4	2.1	.6	.1	.4	20.1	71.9	2272
1802Z	.5	.3	1.2	4.9	8.3	2.9	1.9	.5	.2	.2	21.1	78.9	2837
TOT	.7	.3	1.2	5.6	8.2	3.6	1.6	.7	.1	.2	21.2	79.6	10688
PCT	.7	.3	1.2	5.5	8.1	3.3	1.6	.5	.1	.3	21.6	78.4	106.0

TABLE 11

PERCENT FREQUENCY VSDBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000Z	.1	.1	.3	.7	4.3	94.5	3030
0600Z	.7	.1	.3	1.3	8.7	89.4	2896
1201Z	.7	.2	.5	2.1	10.0	86.9	2870
1802Z	.2	.2	.4	1.0	5.7	92.6	3399
TOT	.24	.16	.44	1.54	8.64	110.93	12195
PCT	.2	.1	.4	1.3	7.1	91.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSDBY (NM) AND/OR
CEILING HGT (FEET, NM) 30/81, BY HOUR

HOUR (GMT)	<150 <5000	<600 C1	<1000 C2	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
0000Z	.1	1.6	6.0	12.4	80.8	2543
0600Z	.8	2.2	8.5	12.4	79.1	2237
1201Z	1.2	3.4	11.0	17.6	70.5	2176
1802Z	.6	2.2	7.7	16.3	78.1	2715
TOT	.67	2.24	8.27	15.6	74.77	9869
PCT	.7	2.3	8.6	16.1	77.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
100/104	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
95/99	.0	.0	.0	.1	.1	.0	.0	.0	26	.1
90/94	.0	.0	.0	.2	1.4	1.0	.3	.1	282	2.0
85/89	.0	.0	.0	.2	4.1	14.8	4.7	.8	2156	24.6
80/84	.0	.0	.0	.1	1.9	23.0	30.3	5.9	5614	61.2
75/79	.0	.0	.0	.0	.1	1.2	5.3	4.1	1029	10.7
70/74	.0	.0	.0	.0	.0	.0	.1	.2	29	.3
65/69	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
TOTAL	.0	.0	.4	5.7	22.6	38.0	38.2	10.8	9583	100.0
PCT	.0	.0	.4	6.6	26.6	40.1	40.6	11.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALP
100/104	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.0	.1	.2	.3	.1	.1	.1	.1	.0	.1
85/89	2.6	.9	1.6	3.2	1.8	1.4	3.3	7.6	.0	2.2
80/84	6.1	2.4	4.3	7.8	5.2	3.0	9.7	16.7	.0	6.0
75/79	.7	.4	.7	1.5	1.2	.6	2.0	3.0	.0	.5
70/74	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	9.8	3.8	7.0	12.9	8.4	5.1	15.6	28.4	.0	8.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	99	93	90	84	80	77	68	84.4	1113
0600Z	99	86	85	82	78	75	70	81.8	2939
1201Z	97	86	84	81	77	74	70	81.1	2901
1802Z	100	91	90	84	79	75	68	84.3	1575
TOT	100	91	88	83	78	75	68	83.0	12608

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	1.1	12.6	50.9	29.5	6.0	77	2491		
0600Z	.0	.1	1.9	31.0	53.6	13.3	82	2369		
1201Z	.0	.2	1.4	25.8	53.8	18.0	84	2301		
1802Z	.0	.4	12.0	50.7	28.2	7.4	77	2691		
TOT	.0	.9	7.34	34.99	40.27	10.49	80	9857		

AUGUST

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1907-1979AREA CODE PUERTO VALLARTA
70.5N 107.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE DIFF. 1 AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	65 00	69 72	73 76	77 80	78 84	85 88	86 90	87 92	88 94	89 96	90 96	91 97	92 98
17-15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15-13	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
14-12	.0	.0	.0	.0	.1	.2	.2	.2	.2	.2	.2	.2	.2
13-11	.0	.0	.0	.0	.2	.3	.4	.4	.4	.4	.4	.4	.4
12-10	.0	.0	.0	.0	.2	.4	.5	.5	.5	.5	.5	.5	.5
11-9	.0	.0	.0	.0	.1	.6	1.0	.7	.0	.0	.0	.0	.0
10-8	.0	.0	.0	.0	.2	1.0	1.2	.8	.0	.0	.0	.0	.0
9-7	.0	.0	.0	.0	.1	1.0	1.4	.8	.0	.0	.0	.0	.0
8-6	.0	.0	.0	.0	.0	.8	2.5	3.0	.8	.0	.0	.0	.0
7-5	.0	.0	.0	.0	.0	.8	2.7	3.6	.7	.0	.0	.0	.0
6-4	.0	.0	.0	.0	.0	.0	1.6	3.6	.6	.1	.0	.0	.0
5-3	.0	.0	.0	.0	.1	1.4	3.7	2.9	.0	.0	.0	.0	.0
4-2	.0	.0	.0	.0	.1	2.6	9.6	1.0	.0	.0	.0	.0	.0
3-1	.0	.0	.0	.0	.1	2.3	7.5	.9	.0	.0	.0	.0	.0
2-0	.0	.0	.0	.0	.2	2.7	6.0	.5	.0	.0	.0	.0	.0
1-0	.0	.0	.0	.0	.1	2.3	3.6	.2	.0	.0	.0	.0	.0
0-0	.0	.0	.0	.0	.2	1.7	1.3	.1	.0	.0	.0	.0	.0
-1-1	.0	.0	.0	.0	.1	1.0	1.0	.0	.0	.0	.0	.0	.0
-2-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-3-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-4-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-5-5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-6-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-7-7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-8-8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-9-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-10-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-11-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-12-12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-13-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-14-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-15-15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	1	16	170	1909	2367	77	10592	10	10598				
PCT	.0	.2	1.7	10.0	52.9	27.4	6.1	.7	100.0	.1	99.9		

PERIOD: (OVER-ALL) 1903-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-67	68+	PCT	1-3	4-10	11-21	22-33	34-67	68+	PCT
C1	.7	1.5	.0	.0	.0	.0	2.3	.2	.0	.0	.0	.0	.0	.0
1-2	.5	2.9	.0	.0	.0	.0	3.9	.1	1.3	.1	.0	.0	.0	1.5
3-6	.7	1.1	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0
5-9	.0	.2	.0	.0	.0	.0	.5	.0	.2	.1	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
91-99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
100-99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	5.9	2.0	.0	.0	.0	9.7	.7	2.9	.8	.1	.0	.0	1.2

WGT	1-3	4-10	11-21	22-33	34-67	68+	PCT	1-3	4-10	11-21	22-33	34-67	68+	PCT
C1	.0	1.1	.0	.0	.0	.0	1.0	.5	.0	.0	.0	.0	.0	.5
1-2	.7	1.0	.1	.0	.0	.0	2.8	.3	1.9	.8	.0	.0	.0	3.0
3-6	.0	.7	.0	.1	.0	.0	1.8	.2	1.3	2.4	.2	.0	.0	4.1
5-9	.0	.1	.0	.1	.0	.0	.4	.0	.1	1.7	.8	.0	.0	2.6
7	.0	.0	.1	.1	.0	.0	.1	.0	.1	.5	.9	.1	.0	1.3
8-9	.0	.0	.1	.1	.0	.0	.1	.0	.0	.7	.4	.1	.0	.9
10-11	.0	.0	.0	.1	.0	.0	.2	.0	.0	.1	.7	.1	.0	.9
12	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2
13-16	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
91-99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
100-99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.7	1.0	.0	.1	.0	7.1	1.0	5.0	5.8	2.9	.0	.0	15.0

ARFA DCCS PUERTO VALLARTA
2E.56 1C7.96

PCY FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

[illegible]

WGT	D-3	6-10	11-21	22-31	36-67	68+	PCT	TOT PCT
61	12.6	9.5	5.9	4.0	4.0	4.0	72.4	
1-2	9.2	25.0	5.9	4.0	4.0	4.0	35.0	
3-6	1.0	11.2	11.6	4.0	4.0	4.0	78.9	
5-6	4.1	2.6	6.2	1.1	4.0	4.0	16.1	
7	4.0	3.1	1.7	1.1	4.1	4.0	3.2	
8-9	4.0	4.7	4.7	4.7	4.1	4.1	1.7	
10-11	4.0	4.2	4.6	4.6	4.1	4.0	4.6	
12	4.0	4.1	4.6	4.6	4.2	4.0	4.9	
13-14	4.0	4.0	4.6	4.1	4.1	4.0	4.6	
17-18	4.0	4.0	4.0	4.0	4.2	4.0	4.2	
20-22	4.0	4.0	4.0	4.0	4.1	4.0	4.7	
23-24	4.0	4.0	4.0	4.0	4.1	4.0	4.1	
26-27	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
33-37	4.0	4.0	4.0	4.0	4.0	4.0	4.1	
41-49	4.0	4.0	4.0	4.0	4.0	4.0	4.7	
60-61	4.0	4.0	4.0	4.0	4.0	4.7	4.7	
61-70	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
71-86	4.0	4.0	4.0	4.7	4.0	4.0	4.0	
87	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
TOT PCT	10.0	99.4	36.9	9.1	1.9	4.1	100.0	(200)

PROBANT FREQUENCY OF THIS WEIGHT 193 IS MORE PRECISE (SPECIES)

DATE	1	2	3	4	5	6	7	8-9	10-11	12	13-14	15-16	17-18	19-22	23-24	25	26	27	28-29	30-31	32-33	34-35	36-37	38-39	40-41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1900-1979

AREA CODES PUERTO VALLARTA
20.4N 107.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW PCPN	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE	SPRAY	NO SIG OBS
N	1.5	.9	.0	.0	.0	.3	.0	3.1	2.0	0.0	0	.1	.2	.7	98.0
NE	5.2	1.0	1.2	.0	.0	.0	.0	8.1	4.5	7.2	.0	.0	.0	.0	76.0
E	7.3	3.7	1.2	.0	.0	.0	.0	12.1	5.0	5.1	.0	.0	.5	.1	70.1
SE	7.0	4.1	1.5	.0	.0	.0	.0	12.4	8.1	4.5	.3	.0	.4	.2	70.1
S	5.0	3.3	1.5	.0	.0	.0	.0	9.7	4.0	5.0	.1	.0	.3	.1	76.1
SW	3.7	1.5	1.0	.0	.0	.0	.0	6.4	4.0	3.7	.2	.1	.0	.0	84.1
W	2.2	1.1	1.0	.0	.0	.0	.0	4.1	1.5	4.1	.0	.0	.1	.1	90.0
NW	1.0	.5	.0	.0	.0	.0	.0	2.3	1.0	4.1	.2	0	.1	.1	91.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2	.0	.0	.0	.0	.0	.0	1.1	.0	6.7	.1	.0	.7	.1	90.9
TOT PCT	5.3	1.8	1.0	.0	.0	.0	.0	5.9	3.0	4.4	.1	0	.4	.1	85.0
TOT OBS: 11599															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW PCPN	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE	SPRAY	NO SIG OBS
0000	1.0	1.0	.5	.0	.0	.0	.0	4.2	2.1	.0	.1	.0	.0	.1	92.0
0600	1.2	1.7	1.1	.0	.0	.0	.0	5.9	2.0	10.0	.1	.0	.0	.1	80.0
1200	4.7	1.9	1.3	.0	.0	.0	.0	7.9	3.0	9.2	.2	.1	.0	.2	70.0
1800	3.0	1.4	1.0	.0	.0	.0	.0	5.7	2.1	.5	.2	.0	.1	.1	90.0
TOT PCT	5.0	1.7	1.0	.0	.0	.0	.0	5.9	2.0	5.0	.2	0	.4	.1	85.0
TOT OBS: 11899															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOURS (GMT)							
	0-1	4-10	11-21	22-31	34-47	48+	00				01	06	09	12	15	18	21	
N	1.5	5.0	1.0	.1	0	.0		9.0	7.7	7.6	0.0	0.0	0.0	0.0	0.2	7.0	11.2	7.1
NE	.7	2.2	.6	.1	.1	0		3.7	8.6	2.7	1.1	2.5	2.0	0.0	0.0	0.0	0.0	0.0
E	.0	3.5	2.0	.7	.2	.1		7.1	12.1	5.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0
SE	1.1	9.4	0.7	1.4	.9	.1		13.7	15.0	15.2	21.0	12.4	10.1	12.1	10.7	10.0	27.2	10.0
S	1.0	0.5	2.9	1.0	.2	0		9.6	11.9	11.1	15.2	17.0	14.7	10.7	10.0	0.0	12.1	10.0
SW	.9	0.1	1.2	.1	.1	0		6.0	9.3	7.9	0.0	7.0	0.0	0.0	0.0	1.1	0.0	0.0
W	1.0	0.0	1.0	.1	0	0		15.0	9.0	17.0	15.0	10.0	17.0	15.7	10.7	15.0	17.2	10.0
NW	2.0	15.0	7.9	.0	.1	0		26.0	9.2	20.0	20.1	27.0	25.0	26.0	27.2	25.1	27.0	10.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.5							7.5	.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT OBS	2257	6070	1097	815	141	31	12507	9.4		2057	20.7	2007	100	2500	170	1900	231	
TOT PCT	10.0	51.7	20.0	4.5	1.1	.2	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 4a

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-4	7-10	11-27	28-40	41+						00	06	12	18
N	0.0	0.3	.1	0	0			0.0	7.7	7.6	0.0	0.0	0.0	11.0
NE	1.0	1.0	.2	.1	0			3.7	8.6	2.0	2.0	0.0	0.0	0.0
E	2.5	5.2	1.1	.0	.1			7.1	12.1	5.1	0.5	0.0	0.1	
SE	3.0	5.0	1.1	1.0	.2			13.7	15.0	15.9	12.7	12.0	15.0	
S	3.1	0.2	1.7	.5	.1			6.6	11.9	11.2	10.7	0.0	0.0	
SW	1.1	2.7	.0	.2	0			0.0	9.3	0.0	7.1	5.0	0.0	
W	0.2	0.1	1.1	.1	0			15.0	9.0	17.0	16.2	10.0	10.0	
NW	0.0	15.2	2.0	.1	0			26.0	9.2	20.2	27.0	26.0	20.0	
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	
CALM	7.5							7.5	.0	0.0	0.0	0.0	0.0	
TOT OBS	1276	6007	1201	310	62	12507		9.4		2112	2000	2000	1000	
TOT PCT	62.0	60.0	10.0	2.5	.5	100.0				100.0	100.0	100.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1980-1979

AREA CODES PUERTO VALLARTA
ZC-44 107.40

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				N+1	MEAN	PCT	TOTAL
				11-21	22-33	34-47	48+				
0000	5.3	9.0	52.0	25.7	5.0	1.3	.3	10.0	100.0	3112	
0600	8.4	9.0	51.4	24.4	4.4	1.3	.1	9.2	100.0	2886	
1200	10.3	10.4	51.3	22.9	4.1	.8	.2	8.8	100.0	2664	
1800	9.4	11.7	50.2	25.3	5.1	1.1	.3	9.5	100.0	3000	
TOT	944	1113	6426	3092	615	141	11	9.4		12567	
PCT	7.5	10.5	51.2	24.6	4.9	1.1	.2		100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-7	8-9	10-11	12-13	14-15	TOTAL	MEAN
N	1.1	2.7	2.6	.9		3.9	
NE	.9	.0	1.1	.7		4.6	
E	1.1	1.7	2.4	1.9		5.3	
SE	1.9	2.6	5.1	1.9		5.5	
S	1.7	1.9	3.7	2.4		5.2	
SW	1.5	1.4	2.3	1.2		4.7	
W	4.6	4.1	5.1	2.2		4.2	
NW	9.4	1.1	7.4	2.6		3.8	
WSW	.0	.0	.0	.0		.0	
CALM	3.0	2.0	1.9	.0		3.3	
TOT OBS	2448	2276	2983	1534		9341	4.4
TOT PCT	27.9	26.4	31.9	16.4		100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM, M) AND OCCURRENCE OF NH (5/8) BY WIND DIRECTION

CEILING	100	150	300	600	1000	2000	3000	5000	6500	8000+	NH (5/8)	TOTAL
0-7	0	0	.1	.5	.9	.2	.1	0	0	0	0	7.4
8-9	0	0	.3	.3	.1	.1	0	0	0	0	0	2.4
10-11	.1	.2	.9	1.2	.3	.3	0	0	0	0	0	4.3
12-13	.2	.1	.4	1.5	2.2	.5	.3	.1	0	0	0	8.0
14-15	.2	0	.4	1.0	1.5	.3	.2	.1	0	.0	.0	6.0
16-17	0	0	.2	.4	.9	.2	.1	0	0	0	0	4.5
18-19	.1	0	.2	1.1	1.8	.5	.2	.1	.1	0	0	11.7
20-21	.2	0	.4	1.3	2.1	.9	.4	.1	.1	0	0	21.3
22-23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24-25	0	0	0	.2	.5	.1	0	0	0	0	0	4.1
TOT OBS	95	34	181	669	1077	293	148	46	29	17	6752	9341
TOT PCT	1.0	.4	1.9	7.2	11.5	3.1	1.6	.5	.3	.2	72.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM, M) AND VSBY (NM)

CEILING (FEET)	: OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5000	: OR >0
: OR >6500	.5	.5	.5	.5	.5	.5	.5	.5
: OR >5000	.9	.9	1.0	1.0	1.0	1.0	1.0	1.0
: OR >3500	2.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5
: OR >2000	4.0	5.4	5.7	5.7	5.7	5.7	5.7	5.7
: OR >1000	13.0	16.5	17.0	17.0	17.1	17.1	17.1	17.1
: OR >600	18.4	22.8	23.7	24.0	24.0	24.1	24.1	24.1
: OR >500	19.3	24.4	25.5	25.8	25.9	25.9	26.0	26.0
: OR >350	19.5	24.7	25.8	26.2	26.2	26.3	26.3	26.4
: OR >0	19.7	25.2	26.6	27.0	27.1	27.2	27.4	27.4
TOTAL	1875	2402	2534	2567	2570	2588	2603	2604

TOTAL NUMBER OF OBS: 9516

PCT FREQ NH (5/8): 72.6

TABLE 8A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	OR OBSCT	TOTAL
											OBS
0.5	14.5	19.8	15.9	10.7	6.5	7.3	5.2	8.0	.6	10106	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1962-1979

SEPTEMBER

REF: NCEP - PUERTO RICO
70.44 107.46

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
1/2	PCP	.0	0	.1	0	0	0	0	0	.0	.0	.2	
	NO PCP	.0	.0	0	0	.1	0	.0	0	.0	.0	.1	
	TOT B	.0	0	.1	.1	.1	0	0	0	.0	0	.3	
1/2<1	PCP	.0	0	0	0	0	0	0	0	.0	.0	.1	
	NO PCP	.0	0	0	0	0	.0	0	0	.0	.0	0	
	TOT B	.0	0	0	0	0	0	0	0	.0	.0	.1	
1<2	PCP	0	0	.1	.1	.1	0	0	0	.0	.0	.4	
	NO PCP	.0	0	0	0	0	0	0	0	.0	.0	.1	
	TOT B	0	0	.1	.1	.1	0	.1	.1	.0	.0	.5	
2<5	PCP	0	0	.2	.4	.1	.1	.1	.1	.0	.0	1.0	
	NO PCP	0	0	.1	.2	.1	.1	.1	.1	.0	0	.9	
	TOT B	.1	.1	.3	.6	.2	.2	.2	.2	.0	0	1.9	
5<10	PCP	.1	.1	.2	.6	.4	.1	.3	.2	.0	0	2.1	
	NO PCP	.4	.2	.6	1.6	1.1	.6	1.0	1.6	.0	.4	7.4	
	TOT B	.5	.3	.8	2.3	1.5	.7	1.3	1.6	.0	.4	9.5	
10+	PCP	.1	.1	.3	.5	.3	.2	.2	.2	.0	0	2.1	
	NO PCP	8.4	5.1	9.6	10.1	7.4	4.4	10.7	24.7	.0	6.4	85.6	
	TOT B	8.5	5.2	9.9	10.7	7.8	4.6	10.9	24.9	.0	6.4	87.7	
TOT OBS													11559
TOT PCT													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
1/2	0-3	0	.0	0	0	.0	0	.0	.0	.0	0	0	
	4-10	.0	.0	0	0	0	0	0	0	.0	0	.1	
	11-21	.0	0	0	.0	0	0	.0	0	.0	0	0	
	22+	.0	0	.1	0	.1	0	0	0	.0	0	.2	
	TOT B	0	0	.1	.1	.1	0	0	.1	.0	0	.4	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	0	0	.0	.0	0	0	.0	.0	0	
	11-21	.0	.0	.0	0	.0	0	.0	0	.0	0	0	
	22+	.0	0	0	0	0	0	0	0	.0	.0	.1	
	TOT B	.0	0	0	0	0	0	0	0	.0	.0	.2	
1<2	0-3	.0	.0	.0	0	.0	.0	0	.0	.0	.0	0	
	4-10	.0	.0	0	0	.0	0	0	0	.0	.0	.1	
	11-21	0	0	0	.1	0	0	0	0	.0	.0	.2	
	22+	.0	0	0	.1	0	0	.0	.0	.0	.0	.2	
	TOT B	0	0	.1	.1	.1	0	.1	.1	.0	.0	.5	
2<5	0-3	0	0	0	0	0	.0	0	0	.0	0	.1	
	4-10	.1	0	.1	.1	.1	.1	.1	.1	.0	0	.7	
	11-21	0	0	.1	.2	0	.1	.1	.1	.0	0	.5	
	22+	0	0	.2	.3	.1	0	0	.1	.0	0	.8	
	TOT B	.1	.1	.3	.6	.2	.2	.2	.3	.0	0	2.1	
5<10	0-3	.1	0	.1	.1	.1	.1	.1	.1	.0	.4	1.0	
	4-10	.3	.1	.2	.5	.5	.3	.6	.4	.0	0	3.9	
	11-21	.2	.1	.3	.6	.5	.2	.6	.6	.0	0	3.0	
	22+	0	.1	.2	.9	.4	.1	.1	.1	.0	0	1.9	
	TOT B	.5	.3	.8	2.3	1.5	.7	1.2	1.6	.0	.4	9.5	
10+	0-3	1.4	.6	.7	1.0	.9	.8	1.6	2.6	.0	7.1	16.7	
	4-10	9.5	2.1	3.2	6.7	3.9	3.6	9.0	16.6	.0	0	66.6	
	11-21	1.4	.4	1.0	1.0	2.3	.9	3.5	7.3	.0	0	21.1	
	22+	0	.1	.4	1.1	.5	.2	.2	.3	.0	0	2.8	
	TOT B	8.3	3.2	5.9	10.6	7.7	5.5	14.3	26.8	.0	7.1	67.3	
TOT OBS													12787
TOT PCT													

SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
(COVER-ALL) 1880-1979AREA CODES PUERTO VALLARTA
20.4N 107.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 100	150 200	300 300	600 500	1000 900	2000 1000	3000 3000	5000 4000	6500 6000	8000+ 7000	TOTAL OBS	NM <5/8 ANY HGT	TOTAL OBS
0000	.7	.2	1.4	6.2	9.5	3.2	1.5	.6	.2	.1	23.6	76.4	2614
0600	1.3	.4	1.9	6.6	9.9	2.5	1.5	.3	.4	.3	25.2	74.8	2271
1200	1.4	.5	2.0	7.9	12.8	2.8	1.5	.2	.2	.2	29.4	70.6	2250
1800	.7	.3	2.0	6.7	11.8	3.3	1.6	.7	.5	.1	27.6	72.4	2805
TOT	97	36	183	677	1091	297	150	46	29	18	2624	7316	9940
PCT	1.0	.4	1.8	6.8	11.0	3.0	1.5	.5	.3	.2	26.4	73.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.4	.1	.4	1.4	7.7	90.0	1074
0600	.4	.1	.5	2.1	9.8	8.3	2894
1200	.4	.3	.3	2.6	12.6	83.8	2937
1800	.5	.1	.8	2.1	6.3	88.2	3446
TOT	50	20	65	253	1178	10785	12351
PCT	.4	.2	.5	2.0	9.5	87.3	100.0

TABLE 17

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM) 30/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000	.7	2.4	9.3	15.2	75.5	2511
0600	1.4	4.0	11.9	14.9	73.2	2154
1200	1.4	4.1	13.2	17.9	68.9	2149
1800	.8	3.3	11.1	17.7	71.2	2695
TOT	98	326	1071	1567	6878	9516
PCT	1.0	3.4	11.3	16.5	72.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.2	.0	.0	.0	22	.2
90/94	.0	.0	.0	.1	1.3	.9	.2	.1	241	2.5
85/89	.0	.0	.0	.1	3.3	13.3	5.1	.7	2156	22.5
80/84	.0	.0	.0	.1	2.0	20.7	32.4	6.7	5935	61.9
75/79	.0	.0	.0	.0	.1	1.7	5.3	5.3	1190	12.4
70/74	.0	.0	.0	.0	.0	.0	.2	.2	37	.4
TOTAL	0	0	1	32	683	3504	4163	1296	9581	100.0
PCT	.0	.0	.0	.1	6.8	36.6	43.2	13.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
90/94	.3	.1	.2	.3	.2	.1	.3	.9	.0	.2
85/89	2.6	.9	1.6	2.8	1.7	1.2	3.1	6.4	.0	1.9
80/84	5.6	7.5	4.7	6.4	6.1	4.0	10.0	16.1	.0	4.6
75/79	.8	.4	.9	1.9	1.6	1.0	2.0	1.3	.0	.7
70/74	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0
TOTAL	9.3	3.8	7.4	13.5	9.6	6.3	15.6	27.0	.0	7.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	100	97	89	84	79	76	68	83.8	3136
0600	97	91	84	82	78	75	68	81.7	2930
1200	95	86	84	81	77	74	68	81.0	1026
1800	99	92	90	84	78	74	70	84.1	1449
TOT	100	91	88	82	78	75	68	82.7	12739

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-89	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	.6	10.9	44.7	34.7	9.0	78	2477
0600	.0	.0	2.7	28.8	54.9	14.1	82	2124
1200	.0	.1	1.7	23.3	58.7	20.2	84	2129
1800	.0	.6	11.0	47.5	31.2	9.1	78	2684
TOT	0	35	670	3545	4248	1266	81	9914

SEPTEMBER

PERIOD: (PRIMARY) 1963-1979
(OVER-ALL) 1980-1979

AREA 0085 PUERTO VALLARTA
28.0N 107.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 60	69 72	74 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	NO FOG
10/16	.0	.0	.0	.0	.0	.0	.0	.0	10	.0	.1
11/13	.0	.0	.0	.0	.0	.1	.1	.1	92	.0	.4
9/11	.0	.0	.0	.0	.2	.2	.2	.1	63	.0	.6
7/8	.0	.0	.0	.1	.4	.3	.4	.2	162	.0	1.5
6	.0	.0	.0	.0	.1	.5	.3	.0	97	.0	.9
5	.0	.0	.0	.1	.5	.9	.5	.0	273	.0	2.1
4	.0	.0	.0	.1	.9	1.3	.6	.0	319	.0	3.0
3	.0	.0	.0	.1	.7	1.6	.5	.0	363	.0	3.2
2	.0	.0	.0	.3	2.7	3.1	.4	.0	700	.0	6.6
1	.0	.0	.0	.4	3.1	2.8	.2	.0	697	.0	6.5
C	.0	.0	.1	1.3	7.6	4.1	.1	.0	1480	.0	11.1
-1	.0	.0	.2	1.6	7.9	2.8	.1	.0	1317	.0	12.4
-2	.0	.0	.2	2.9	10.1	1.3	.0	.0	1494	.0	14.0
-3	.0	.0	.1	2.9	7.3	1.0	.0	.0	1155	.0	10.9
-4	.0	.0	.2	3.9	6.1	.3	.0	.0	1065	.0	10.0
-5	.0	.0	.2	2.7	7.3	.2	.0	.0	688	.0	6.3
-6	.0	.0	.2	1.6	1.4	.0	.0	.0	368	.0	3.5
-7/-8	.0	.0	.4	2.1	.0	.0	.0	.0	355	.0	3.3
-9/-10	.0	.0	.1	.6	.1	.0	.0	.0	111	.0	1.0
-11/-13	.0	.0	.1	.1	.0	.0	.0	.0	29	.0	.3
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	9	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	3	.0	.0
TOTAL	3	232	5665	378	62	10630	.2	99.0			
PCT	.1	2.2	19.5	33.3	20.7	3.6	.6				

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	1.0	1.1	.0	.0	.0	.0	2.1	.2	.0	.0	.0	.0	.0	.0	1.0	1.0
1-2	.3	3.9	.6	.0	.0	.0	6.8	.2	1.3	.1	.0	.0	.0	.0	1.6	.0
3-4	.0	1.3	.0	.0	.0	.0	2.1	.0	.2	.5	.0	.0	.0	.0	.7	.0
5-6	.0	.2	.3	.1	.0	.0	.5	.0	.1	.1	.0	.0	.0	.0	.2	.0
7	.0	.1	.2	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	6.6	1.9	.1	.1	.0	10.0	.3	2.3	.8	.1	.1	.0	.0	3.0	

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.2	.0	.1	.0	.0	.0	1.1	.2	1.1	.0	.0	.0	.0	.0	1.3	.0
1-2	.2	2.3	.2	.0	.0	.0	2.7	.4	2.9	.9	.0	.0	.0	.0	6.3	.0
3-4	.0	.5	.6	.0	.0	.0	1.2	.0	.7	1.6	.0	.0	.0	.0	2.6	.0
5-6	.0	.1	.6	.1	.0	.0	.8	.0	.5	1.4	.4	.0	.0	.0	2.2	.0
7	.0	.0	.1	.2	.0	.0	.4	.0	.2	.4	.0	.1	.0	.0	1.3	.0
8-9	.0	.0	.1	.1	.0	.0	.2	.0	.0	.3	.3	.1	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.1	.0	.0	.2	.0
12	.0	.0	.0	.1	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.1	.0
13-16	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.1	.2	.0	.0	.3	.0
17-19	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	.0	.0	.1	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	3.7	1.0	.6	.3	.1	6.0	.7	5.4	6.0	1.4	.6	.0	.0	11.0	

PERIOD: (OVER-ALL) 1963-1970

SEPTEMBER

AREA 0005 PUERTO VALLARTA
20.00 107.00

TABLE 10 (CONT)

PCT FREQ OF WIND SPEED (MPS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	5							10							PCT	15							PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
1-2	.2	.0	.0	.0	.0	.0	1.0	.2	.0	.0	.0	.0	.0	.0	2.5	.2	.0	.0	.0	.0	.0	.0	2.5
3-6	.0	1.1	1.2	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	1.3
5-6	.0	.0	.0	.1	.0	.0	1.3	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.1	.5	.0	.0	.0	1.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.2	.2	.0	.0	.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.1	.1	.0	.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	4.6	3.5	1.1	.2	.0	9.9	.7	3.3	1.3	.5	.1	.1	.0	0.0	.7	3.3	1.3	.5	.1	.1	.0	0.0

HGT	5							10							PCT	15							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
1-2	.7	1.6	.0	.0	.0	.0	2.3	1.1	3.0	.2	.0	.0	.0	.0	6.3	.7	1.6	.0	.0	.0	.0	.0	6.3	11.6
3-6	.1	2.1	1.6	.0	.0	.0	3.9	.3	3.6	2.6	.1	.0	.0	.0	7.6	.1	2.1	2.6	.1	.0	.0	.0	7.6	0.2
5-6	.0	.5	1.0	.2	.0	.0	1.7	.0	1.0	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.1	.1	.2	.0	.0	.6	.0	.1	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	9.1	4.1	.5	.0	.0	16.9	2.7	15.8	10.2	.6	.0	.0	.0	20.3	2.7	15.8	10.2	.6	.0	.0	.0	20.3	93.7

WIND SPEED (MPS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
1-2	10.7	9.9	.3	.0	.0	.0	21.0	005
3-6	3.7	27.1	6.2	.0	.0	.0	36.9	
5-6	.7	6.7	10.2	.1	.0	.0	17.0	
7	.2	2.9	7.2	1.0	.0	.0	11.3	
8-9	.0	.6	2.6	1.6	.2	.0	4.8	
10-11	.0	.2	.9	.9	.1	.0	2.1	
12	.0	.0	.3	.6	.3	.0	1.4	
13-16	.0	.0	.0	.2	.0	.0	.3	
17-19	.0	.0	.0	.2	.5	.1	.9	
20-22	.0	.0	.0	.0	.2	.0	.1	
23-25	.0	.0	.0	.0	.0	.0	.1	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	2662
TOT PCT	15.4	50.5	27.7	4.8	1.4	.2	100.0	

PERIOD: (OVER-ALL) 1969-1970

TABLE 10

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-60	61-70	71-86	87+	TOTAL	MEAN HGT
1-6	0.5	14.0	13.8	5.5	2.0	.9	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3481
6-7	.2	2.0	7.0	7.8	3.5	1.8	1.2	.4	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2090
8-9	.1	.7	2.8	3.6	2.6	1.5	1.1	.5	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1165
10-11	.0	.5	.9	.9	.9	.8	.3	.2	.5	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	666
12-13	.0	.0	.7	.4	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	191
13-15	.0	.0	.0	.3	.3	.2	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	103
15-17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	52
TOTAL	870	1572	2257	1683	859	485	295	139	207	45	14	6	4	4	0	0	0	0	0	8690
PCT	10.3	18.6	26.7	19.9	10.1	5.7	3.5	1.6	2.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 188C-1979

AREA CODES PUERTO VALLARTA
70.44 107.44

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNE	FGG NO PCPN	FOG NO PCPN PAST HR	SMOKE	SPRAY	BLDG CUST	WFA	WFA
N	.7	.3	.2	.0	.0	.0	.1	1.2	.7	1.9	.0	.0	.1	.1	.1	.1	95.4
NE	2.2	1.3	.9	.0	.0	.0	.0	4.2	2.3	5.0	.1	.0	.4	.0	.0	.0	88.2
E	6.7	2.4	2.0	.0	.0	.0	.0	11.1	4.1	3.2	.2	.0	.6	.1	.0	.0	80.9
SE	4.9	1.7	1.1	.0	.0	.0	.0	7.7	4.6	4.5	.2	.0	.1	.0	.0	.0	81.3
S	4.9	2.5	.9	.0	.0	.0	.0	8.2	5.2	2.7	.6	.0	.4	.0	.0	.0	83.7
SW	3.4	2.0	1.0	.0	.0	.0	.0	6.2	2.4	1.4	.3	.0	1.6	.0	.0	.0	87.2
W	.0	.3	.3	.0	.0	.0	.0	1.4	1.0	2.7	.5	.0	.7	.1	.1	.1	93.7
NW	.4	.2	.3	.0	.0	.0	.0	1.0	.6	1.8	.7	.0	.5	.0	.0	.0	96.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.1	.1	.0	.0	.0	.0	1.0	.7	5.0	.4	.0	1.4	.1	.1	.1	91.1
TOT PCT	1.7	.8	.5	.0	.0	.0	.0	2.9	1.6	2.8	.2	.0	.6	.1	.1	.1	92.1
TOT OBS: 11199																	

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNE	FGG NO PCPN	FOG NO PCPN PAST HR	SMOKE	SPRAY	BLDG CUST	WFA	WFA
0000	1.4	.5	.4	.0	.0	.0	.0	2.4	1.4	.1	.2	.0	.4	.1	.1	.1	95.3
0600	1.7	.5	.4	.0	.0	.0	.0	2.6	1.7	5.0	.2	.0	.5	.0	.0	.0	89.1
1200	2.2	1.3	.7	.0	.0	.0	.1	4.1	1.7	4.9	.3	.0	.6	.1	.0	.0	80.6
1800	1.4	.8	.3	.0	.0	.0	.0	2.5	1.6	.5	.2	.0	.7	.0	.0	.0	96.4
TOT PCT	1.7	.8	.5	.0	.0	.0	.0	2.9	1.6	2.8	.2	.0	.6	.1	.1	.1	92.1
TOT OBS: 11178																	

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-5	6-10	11-21	22-31	34-47	48+					00	01	06	09	12	15	18	21
N	2.1	12.3	5.1	.2	.0	.0		19.7	8.7	19.6	16.7	16.8	15.4	19.7	19.5	22.4	17.4	
NE	.9	4.0	1.3	.1	.0	.0		6.3	8.4	5.0	4.1	5.0	4.8	6.3	7.5	8.8	5.7	
E	.9	3.2	1.4	.4	.1	.0		5.9	9.9	4.6	5.1	4.8	4.5	6.4	6.4	7.7	3.4	
SE	.9	3.3	2.6	.6	.1	.0		7.6	11.7	7.1	6.6	7.6	4.6	6.9	7.1	8.7	10.1	
S	.7	2.6	1.4	.7	.1	.0		5.1	10.4	6.1	7.6	5.6	5.5	6.1	6.3	6.1	7.4	
SW	.6	2.1	.7	.1	.0	.0		3.5	8.4	4.1	4.4	1.9	4.0	1.0	3.6	2.9	1.9	
W	1.6	7.2	2.2	.3	.0	.0		11.2	8.0	12.6	13.2	17.2	16.7	10.8	12.7	9.1	12.4	
NW	2.9	14.2	10.4	.4	.0	.0		33.0	9.5	14.8	16.4	14.5	17.1	12.1	14.4	10.1	17.4	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	7.5							7.5	.0	6.2	4.3	9.6	7.4	10.2	4.3	5.4	1.1	
TOT OBS	2233	6609	3061	784	46	16	12248	6.6		2802	235	2672	151	2556	123	3324	180	
TOT PCT	18.2	54.0	25.0	2.3	.4	.1	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-5	7-16	17-27	28-40	41+						00	06	12	18
N	7.6	10.9	1.1	.1	.0		19.7	8.7	19.3	16.7	19.7	22.4		
NE	2.8	3.1	.3	.1	.0		6.3	8.4	4.9	5.0	6.4	8.4		
E	2.9	2.6	.7	.1	.0		5.9	9.9	4.6	4.8	6.4	7.5		
SE	2.3	3.6	1.7	.3	.1		7.6	11.7	7.1	7.5	6.9	8.8		
S	1.9	2.4	.6	.2	.0		5.1	10.4	6.2	5.6	4.3	6.4		
SW	1.6	1.5	.2	.1	.0		3.5	8.4	4.1	3.4	3.1	2.9		
W	5.3	5.3	.5	.0	.0		11.2	8.0	12.6	12.4	11.0	9.2		
NW	10.5	20.1	2.3	.1	.0		33.0	9.5	14.1	14.4	12.4	10.4		
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		
CALM	7.5						7.5	.0	6.1	4.4	9.6	5.4		
TOT OBS	5169	6874	865	114	26	12248			3017	2873	2879	1509		
TOT PCT	42.2	56.6	7.1	.9	.2	100.0			100.0	100.0	100.0	100.0		

CLIMATE

PERIOD: (PERIOD): 1957-1970
 COVERED-DATA: 1960-1970

AREA CODE: PUERTO VALLARTA
 7C.00 107.00

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			NO.	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000	6.1	9.1	53.1	26.9	2.0	.0	.1	9.1	100.0	1037
0600	5.5	10.0	50.0	29.2	2.7	.1	.2	8.4	100.0	1029
1200	9.6	11.0	50.0	22.7	1.0	.1	.1	8.1	100.0	1070
1800	5.5	12.5	53.0	25.4	2.0	.1	.1	8.7	100.0	1060
TOT	921	1312	6600	1601	704	.0	10	8.4		17240
PCT	7.1	10.7	50.0	25.0	2.3	.0	.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-1	TOTAL OBSERVED	MEAN CLOUD COVER
N	9.7	5.4	3.0	1.0	19.0	3.0
NE	2.1	1.5	1.6	.0	5.0	1.0
E	1.0	1.1	1.7	1.6	5.0	1.0
SE	1.0	1.0	2.7	1.0	5.0	1.0
S	1.1	1.4	1.9	1.0	5.0	1.0
SW	1.7	1.1	.0	.0	3.0	1.0
W	4.0	2.7	2.1	.0	11.0	1.0
NW	10.2	6.7	6.2	1.6	24.0	2.0
WIND	.0	.0	.0	.0	.0	.0
CALM	4.6	1.6	1.1	.0	7.0	2.0
TOT OBS	40.6	27.2	20.7	6.0	93.0	1.4
TOT PCT	43.1	29.1	22.1	6.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, MM IN/P)
 AND OCCURRENCE OF NO VIS BY WIND DIRECTION

000	150	300	600	1000	2000	3000	5000	6000	8000	NO VIS	TOTAL
100	200	500	1000	1000	1000	1000	1000	1000	1000	1000	1000
.1	.0	.1	.0	.1	.1	.0	.1	.0	.0	.17	.5
.0	.0	.1	.0	.1	.2	.1	.0	.0	.0	.4	.0
.1	.1	.1	.0	.7	.1	.1	.0	.0	.0	.7	.1
.1	.0	.1	.0	1.1	.0	.2	.0	.0	.0	.1	.0
.1	.0	.1	.0	.5	.2	.1	.0	.0	.0	.1	.0
.0	.1	.0	.1	.2	.1	.1	.0	.0	.0	.2	.0
.1	.0	.1	.0	.7	.1	.2	.0	.0	.0	.1	.0
.0	.0	.1	.0	1.0	.0	.0	.1	.0	.0	.2	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.1	.0
40	10	60	100	60	20	10	10	10	10	72	930
.5	.1	.7	6.5	6.5	1.1	1.0	.2	.2	.2	67.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
 OF CEILING HEIGHT (IN) AND VIS (IN)

CEILING (FEET)	: CP : 100	: OR : 5	: OR : 2	: OR : 1	: OR : 1/2	: OR : 1/4	: OR : 1/8	: OR : 1/16
: OR 3000	.1	.3	.3	.3	.3	.3	.3	.3
: OR 2500	.5	.6	.6	.6	.6	.6	.6	.6
: OR 2000	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
: OR 1500	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
: OR 1000	10.2	11.5	11.0	11.0	11.0	11.0	11.0	11.0
: OR 800	13.0	15.5	15.0	15.0	15.0	15.0	15.0	15.0
: OR 600	13.0	16.1	16.0	16.0	16.0	16.0	16.0	16.0
: OR 400	13.0	16.3	16.0	16.0	16.0	16.0	16.0	16.0
: OR 200	14.0	16.3	16.0	16.0	16.0	16.0	16.0	16.0
: OR 100	14.2	16.6	17.2	17.4	17.5	17.6	17.6	17.7
TOTAL	1350	1591	1643	1670	1678	1684	1689	1692

TOTAL NUMBER OF OBS: 9370

PCT FREQ NO VIS: 82.3

TABLE 8

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
10.2	21.1	20.1	14.6	9.0	5.0	4.5	1.1	0.9	.1	100%

OCTOBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1980-1979AREA D005 PUERTO VALLARTA
20.44 107.44

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	0	0	0	0	0	0	0	.0	.0	.1	
	NO PCP	.0	.0	0	0	.0	.0	0	0	.0	.0	0	
	TOT B	.0	0	.1	0	0	0	0	0	.0	.0	.1	
1/2<1	PCP	0	0	0	0	0	.0	.0	.0	.0	.0	0	
	NO PCP	.0	.0	.0	0	.0	.0	.0	0	.0	.0	.1	
	TOT B	0	0	0	0	0	.0	.0	0	.0	.0	.1	
1<2	PCP	0	0	0	.1	0	0	.0	0	.0	.0	.2	
	NO PCP	.0	.0	0	.0	0	0	.0	0	.0	.0	0	
	TOT B	0	0	.1	.1	0	0	.0	0	.0	.0	.2	
2<5	PCP	0	0	.1	.1	.1	0	0	0	.0	0	.4	
	NO PCP	0	0	.1	.1	.1	0	0	.1	.0	0	.4	
	TOT B	0	.1	.2	.2	.1	0	.1	.1	.0	0	.8	
5<10	PCP	.1	.1	.3	.2	.2	.1	.1	.1	.0	0	1.1	
	NO PCP	.7	.4	.4	.8	.3	.2	.5	1.3	.0	.1	4.0	
	TOT B	.7	.4	.7	1.0	.5	.3	.6	1.4	.0	.1	5.0	
10+	PCP	.1	.1	.2	.2	.2	.1	.1	.2	.0	0	1.1	
	NO PCP	10.8	5.5	4.8	6.3	4.5	3.0	10.4	31.1	.0	7.1	91.6	
	TOT B	10.9	5.6	5.0	6.5	4.6	3.0	10.5	31.3	.0	7.2	92.7	
TOT OBS													11151
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SFD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	0	0	.0	.0	.0	0	.0	.0	0	
	11-21	.0	.0	0	0	.0	.0	.0	0	.0	.0	0	
	22+	.0	0	0	0	0	0	0	0	.0	.0	.1	
	TOT B	.0	0	.1	0	0	0	0	0	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	0	.0	.0	0	
	4-10	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	0	
	11-21	.0	0	.0	0	.0	.0	.0	.0	.0	.0	0	
	22+	0	.0	0	0	0	.0	.0	.0	.0	.0	.1	
	TOT B	0	0	0	0	0	.0	.0	0	.0	.0	.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	0	0	0	0	.0	.0	.0	0	.0	.0	.1	
	11-21	0	0	0	0	0	0	.0	0	.0	.0	.1	
	22+	0	.0	0	0	0	0	.0	.0	.0	.0	.1	
	TOT B	0	0	.1	.1	0	0	0	.1	.0	.0	.4	
2<5	0-3	0	0	0	0	.0	0	0	0	.0	0	.1	
	4-10	0	0	.1	.1	0	0	0	.1	.0	.0	.4	
	11-21	0	0	.1	0	.1	.0	0	0	.0	.0	.1	
	22+	0	0	.1	.1	.1	0	.0	0	.0	.0	.3	
	TOT B	.1	.1	.2	.2	.1	0	.1	.2	.0	0	1.1	
5<10	0-3	.1	0	0	0	0	0	.1	.1	.0	.1	.4	
	4-10	.4	.2	.2	.2	.1	.1	.3	.0	.0	.0	2.5	
	11-21	.2	.1	.2	.5	.2	.1	.1	.5	.0	.0	1.9	
	22+	.0	.1	.2	.2	.1	0	0	0	.0	.0	.7	
	TOT B	.7	.4	.7	1.0	.5	.1	.6	1.6	.0	.1	5.6	
10+	0-3	1.4	.8	.8	.8	.7	.6	1.4	2.7	.0	7.4	17.7	
	4-10	11.8	3.6	2.9	3.0	2.5	1.9	6.9	10.3	.0	80.5		
	11-21	4.9	1.1	1.1	2.2	1.1	.5	2.1	10.0	.0	73.0		
	22+	.2	.1	.2	.4	.2	0	.1	.4	.0	.0	1.4	
	TOT B	18.0	5.6	4.9	6.4	4.5	3.0	10.5	31.3	.0	7.9	92.6	
TOT OBS													11167
TOT PCT													100.0

OCTOBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1880-1979AREA CODE PUERTO VALLARTA
20.4N 107.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, MM >4/8) AND
OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	TOTAL	MM <5/8 OCC	TOTAL OBS
0000	.4	.2	.7	3.8	6.4	3.0	1.4	.2	.2	.2	14.3	83.7	2560				
0600	.6	.2	.4	3.5	5.5	2.6	1.0	.2	.1	.1	14.3	85.7	2351				
1200	.7	.3	1.0	4.6	6.8	3.4	1.5	.1	.2	.1	19.7	81.3	2271				
1800	.2	.5	.7	4.6	7.1	3.0	1.7	.4	.2	.3	19.6	81.4	2793				
TOT	.47	.30	.69	4.10	6.48	2.98	1.40	.24	.17	.16	16.99	82.76	9975				
PCT	.5	.3	.7	4.1	6.5	3.0	1.4	.2	.2	.2	17.0	83.0	100.0				

TABLE 11

PERCENT FREQUENCY VSBY (MM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000	.1	0	.4	1.0	5.6	92.8	2977
0600	.1	.1	.4	1.1	5.7	92.6	2827
1200	.2	.2	.4	1.3	7.4	90.5	2851
1800	.2	.1	.2	1.0	5.0	93.5	3293
TOT	.19	.13	.42	1.11	7.01	11042	11948
PCT	.2	.1	.4	1.1	5.9	92.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (MM) AND/OR
CEILING HGT (FEET, MM >4/8), BY HOUR

HOUR (GMT)	<150 <4500	<600 <1	<1000 <5	1000+ AND 5+	MM <5/8 AND 5+	TOTAL OBS
0000	.4	1.3	5.6	11.5	82.9	2960
0600	.7	1.4	5.7	9.5	74.7	2244
1200	.8	2.3	7.8	11.0	78.9	2177
1800	.2	1.6	7.1	11.0	78.1	2694
TOT	.48	1.57	6.2	10.5	80.74	
PCT	.5	1.6	7.1	11.0	80.7	

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
100/104	.0	.0	.0	0	.0	.0	.0	.0	1	0
95/99	.0	.0	0	0	0	.0	.0	.0	8	.1
90/94	.0	.0	0	.2	.9	.5	.2	0	175	1.8
85/89	.0	.0	.1	.4	3.5	8.4	2.7	.5	1515	16.0
80/84	.0	.0	0	.4	5.9	27.4	27.0	4.7	6160	65.0
75/79	.0	.0	.0	0	.6	4.9	7.4	3.4	1564	16.5
70/74	.0	.0	.0	.0	0	.1	.7	.3	59	.6
TOTAL	.0	.0	.12	.12	10.45	34.1	35.56	8.4	9490	100.0
PCT	.0	.0	.1	.12	11.0	41.7	37.5	8.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	WN	WDR	CALP
100/104	.0	.0	.0	.0	.0	.0	.0	0	.0	.0
95/99	.0	0	0	0	.0	.0	.0	0	.0	0
90/94	.4	.1	.1	.2	.1	.2	.7	.0	.1	.1
85/89	3.5	.9	1.0	1.3	.9	.5	1.5	5.1	.0	1.3
80/84	13.9	4.5	3.5	5.1	3.2	2.2	6.9	70.2	.0	5.4
75/79	2.4	.8	1.1	1.1	1.0	.7	2.0	6.4	.0	1.0
70/74	.1	.1	.1	0	0	.1	.1	.2	.0	0
TOTAL	20.2	6.3	5.8	7.7	5.2	3.5	10.7	12.7	.0	7.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	100	97	89	87	78	75	68	87.9	1068
0600	98	86	84	81	77	74	70	81.0	2879
1200	90	85	84	81	76	73	66	80.4	2943
1800	97	92	89	84	79	75	70	83.4	3545
TOT	100	91	88	82	77	75	66	82.1	13435

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	1.4	14.1	46.7	32.0	5.4	77	2444		
0600	.0	.3	5.1	37.3	46.8	10.5	81	2107		
1200	.0	.9	4.7	33.3	48.9	12.8	82	2107		
1800	.0	2.1	19.2	48.7	24.5	5.4	76	2652		
TOT	0	1.7	10.7	42.3	36.52	8.17	79	9739		

OCTOBER

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1980-1979AREA CODES: PUERTO VALLARTA
20.4N 107.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DGF F) AND THE OCCURRENCE OF FOG (WITH/OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DGF F)

AIR-SEA TEMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	% FOG
19/16	.0	.0	.0	.0	.0	.0	.0	5	.0	.0
13/13	.0	.0	.0	.0	.1	.1	.1	20	.0	.2
9/10	.0	.0	.0	.1	.1	.2	.1	41	.0	.5
7/8	.0	.0	.1	.2	.3	.3	.1	117	.0	1.1
6	.0	.0	.0	.2	.4	.4	.0	89	.0	1.0
5	.0	.0	.1	.3	.6	.5	.0	178	.0	1.7
4	.0	.0	.1	.8	1.4	.4	.0	293	.0	2.7
3	.0	.0	.1	.8	1.4	.2	.0	294	.0	2.9
2	.0	.1	.3	2.0	2.4	.2	.0	673	.0	5.8
1	.0	.0	.5	3.4	2.3	.1	.0	440	.0	4.2
0	.0	.1	1.5	9.0	2.6	.0	.0	1368	.0	13.1
-1	.0	.1	2.0	9.0	1.5	.0	.0	1315	.0	12.6
-2	.0	.2	3.3	10.8	.0	.0	.0	1501	.0	15.2
-3	.0	.2	3.0	6.9	.3	.0	.0	1168	.1	11.2
-4	.0	.3	4.6	5.0	.2	.0	.0	1035	.0	9.9
-5	.0	.4	3.6	2.9	.1	.0	.0	729	.0	7.0
-6	.0	.4	2.3	1.0	.0	.0	.0	386	.0	3.7
-7/-6	.0	.5	2.3	.0	.0	.0	.0	375	.0	3.6
-8/-10	.0	.6	.5	.2	.0	.0	.0	110	.0	1.0
-11/-13	.0	.2	.0	.0	.0	.0	.0	70	.0	.3
-16/-18	.0	.0	.0	.0	.0	.0	.0	10	.0	.1
TOTAL	19	70	2603	1503	264	16	10398	25	10373	
PCT	.2	7.9	25.0	54.1	14.8	2.5	.4	100.0	.7	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.5	.1	.0	.0	.0	3.3	.3	1.0	.0	.0	.0	.0	1.3
1-2	.7	7.4	1.7	.0	.0	.0	9.8	.2	2.1	.3	.0	.0	.0	2.6
3-4	.1	2.8	7.6	.0	.0	.0	9.6	.0	1.0	.6	.0	.0	.0	1.7
5-6	.0	.6	.0	.1	.0	.0	1.6	.0	.0	.7	.0	.0	.0	.2
7	.0	.1	.4	.1	.0	.0	.6	.0	.0	.1	.0	.0	.0	.2
8-9	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	13.3	9.8	.2	.0	.0	20.9	.6	6.2	1.2	.1	.1	.0	6.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.8	.0	.0	.0	.0	1.2	.3	.4	.1	.0	.0	.0	.7
1-2	.1	1.9	.3	.0	.0	.0	2.3	.2	1.4	.4	.0	.0	.0	2.1
3-4	.0	.5	.4	.0	.0	.0	1.1	.0	.9	.4	.1	.0	.0	1.9
5-6	.0	.1	.4	.3	.0	.0	.7	.0	.0	.7	.2	.0	.0	1.0
7	.0	.0	.1	.1	.0	.0	.2	.0	.0	.1	.2	.0	.0	.5
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	3.3	1.4	.5	.1	.1	5.9	.4	2.7	2.6	.8	.1	.0	6.8

PERIOD: (OVER-ALL) 1963-1979

OCTOBER

ARFA 0005 PUERTO VALLARTA
70.4N 107.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.4	.0	.0	.0	.0	.0	1.2	.3	.7	.0	.0	.0	.0	.0	1.0
1-2	.3	1.3	.2	.0	.0	.0	1.7	.3	.9	.2	.0	.0	.0	.0	1.3
3-4	.0	.8	.5	.0	.0	.0	1.4	.0	.3	.0	.0	.0	.0	.0	.3
5-6	.0	.2	.0	.2	.0	.0	.4	.0	.0	.2	.0	.0	.0	.0	.4
7	.0	.0	.1	.3	.0	.0	.4	.0	.0	.2	.0	.0	.0	.0	.2
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
10-11	.0	.0	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	3.1	1.5	.6	.1	.0	5.9	.5	2.2	.7	.1	.0	.0	.0	3.6

HGT	W							NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.0	1.5	.0	.0	.0	.0	2.3	1.1	2.4	.1	.0	.0	.0	.0	3.5	
1-2	.3	3.0	.5	.0	.0	.0	4.5	1.3	9.9	2.0	.0	.0	.0	.0	13.9	
3-4	.2	1.0	1.0	.0	.0	.0	2.2	.3	4.8	4.8	.2	.0	.0	.0	10.1	
5-6	.0	.3	.1	.1	.0	.0	.4	.0	.8	2.9	.2	.0	.0	.0	3.9	
7	.0	.0	.1	.0	.0	.0	.1	.0	.2	1.1	.1	.0	.0	.0	1.4	
8-9	.0	.0	.0	.0	.0	.0	.1	.0	.0	.3	.1	.0	.0	.0	.4	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.2	6.6	2.0	.2	.0	.0	10.0	2.6	18.1	11.8	.6	.0	.0	.0	33.1	92.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	12.6	10.0	.3	.0	.0	.0	22.9	
1-2	3.7	28.3	6.1	.0	.0	.0	38.1	
3-4	.6	11.9	10.9	.4	.0	.0	23.8	
5-6	.0	2.4	6.0	1.0	.0	.0	9.4	
7	.0	.3	2.3	.0	.1	.0	2.5	
8-9	.0	.0	.6	.4	.1	.0	1.1	
10-11	.0	.0	.2	.3	.1	.1	.7	
12	.0	.0	.0	.1	.0	.0	.1	
13-16	.0	.0	.0	.1	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	17.0	52.9	26.4	3.1	.4	.1	100.0	2721

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.9	17.8	17.1	6.2	1.8	.5	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4096	3
6-7	.1	2.9	7.8	6.4	2.9	1.0	.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1869	5
8-9	.1	.9	2.7	3.3	1.8	1.0	.6	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	921	6
10-11	.0	.5	1.1	1.1	.5	.5	.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	368	6
12-13	.0	.0	.5	.5	.2	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	125	6
>13	.0	.0	.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58	8
INDEX	5.8	1.7	2.1	1.1	.4	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	976	2
TOTAL	916	1999	2630	1983	661	287	169	49	85	17	7	9	0	1	0	0	0	0	0	8413	4
PCT	10.9	23.8	31.3	18.8	7.9	3.4	2.0	.6	1.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1970-1979AREA 0005 PUERTO VALLARTA
20.5N 107.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG MO PCPN	FOG MO PCPN PAST HR	SMOKE HAZE	SPRAY BLNG DUST	NC SIG WFA
N	.1	.1	.4	.0	.0	.0	.0	.5	.3	.4	.4	.0	.3	.0	98.1
NE	.8	.3	.8	.0	.0	.0	.0	1.9	.6	.6	.7	.0	.2	.0	96.0
E	1.8	1.5	.7	.0	.0	.0	.0	3.9	.7	.7	.4	.0	.9	.0	93.4
SE	2.9	2.0	.6	.0	.0	.0	.0	5.5	1.3	2.5	.4	.0	.9	.0	99.4
S	2.7	2.4	.4	.0	.0	.0	.0	5.5	4.0	4.0	.0	.0	1.1	.0	96.0
SW	3.7	.8	.0	.0	.0	.0	.0	5.1	2.0	2.3	.6	.0	.9	.0	98.9
W	.1	.4	.0	.0	.0	.0	.0	.5	.2	.8	.6	.0	.3	.0	97.5
NW	.2	.1	.2	.0	.0	.0	.0	.4	.4	.3	.3	.0	.4	.0	98.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.2	.0	.0	.0	.0	.2	.3	.5	.0	.0	1.2	.0	97.8
TOT PCT	.4	.3	.3	.0	.0	.0	.0	1.0	.5	.6	.4	.0	.4	.0	97.1
TOT OBS: 10429															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG MO PCPN	FOG MO PCPN PAST HR	SMOKE HAZE	SPRAY BLNG DUST BLNG SMOG	NC SIG WFA	
0603	.5	.4	.4	.0	.0	.0	.0	1.3	.3	.2	.5	.0	.6	.0	97.1	
0609	.3	.2	.2	.0	.0	.0	.0	.8	.4	1.0	.3	.0	.5	.0	96.9	
1215	.6	.3	.4	.0	.0	.0	.0	1.2	.7	1.2	.6	.0	.4	.0	95.9	
1821	.4	.3	.2	.0	.0	.0	.0	.9	.4	.1	.3	.0	.4	.0	97.9	
TOT PCT	.4	.3	.3	.0	.0	.0	.0	1.0	.5	.6	.4	.0	.5	.0	97.0	
TOT OBS: 10673																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47		00					03	06	09	12	15	18	21
N	2.0	20.4	13.0	.7	0	0	0	36.9	10.0		39.3	42.6	32.9	35.6	34.9	37.7	39.5	36.1
NE	1.4	7.0	2.5	.1	0	0	0	11.0	8.5		8.4	16.7	9.5	10.1	11.4	16.7	13.7	4.8
E	.7	2.5	.5	.1	0	0	0	3.9	7.5		3.0	2.0	3.5	2.2	3.9	4.0	5.0	4.1
SE	.5	1.3	.4	.1	0	0	0	2.2	7.9		1.8	1.0	2.5	1.4	1.6	2.9	7.8	
S	.3	1.0	.3	0	0	0	0	1.6	7.4		2.1	.8	1.8	2.7	1.4	1.0	1.3	2.1
SW	.3	1.0	.3	0	0	0	0	1.6	7.1		2.4	.9	1.5	2.2	1.1	1.6	1.3	2.6
W	1.1	4.0	1.0	0	0	0	0	6.1	7.3		6.3	5.9	7.7	9.0	5.9	3.5	4.9	7.2
NW	2.5	18.7	9.1	.3	0	0	0	30.7	9.3		32.3	27.0	33.5	34.7	32.0	28.2	25.8	36.6
VAR	.0	.0	.0	.0	.0	.0	0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.9							5.9	.0		4.3	5.0	7.1	2.2	7.5	5.7	5.4	2.7
TOT OBS	1772	6390	3086	156	7	0	11411		8.6		2601	220	2536	139	2408	344	3012	146
TOT PCT	15.5	56.0	27.0	1.4	.1	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	09	12
N	10.5	23.0	3.3	.2	.0				39.3	42.6	32.9	35.6	34.9
NE	4.4	6.0	.6	.0	.0				8.4	16.7	9.5	10.1	11.4
E	1.9	1.8	.1	.0	.0				3.0	2.0	3.5	2.2	3.9
SE	1.1	1.0	.1	.0	.0				1.8	1.0	2.5	1.4	1.6
S	.9	.6	.1	.0	.0				2.1	.8	1.8	2.7	1.4
SW	.9	.6	.1	.0	.0				2.4	.9	1.5	2.2	1.1
W	3.1	2.8	.2	.0	.0				6.3	5.9	7.7	9.0	5.9
NW	9.8	18.8	1.9	.1	.0				30.7	9.3	32.3	27.0	33.5
VAR	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0
CALM	5.9								4.3	5.0	7.1	2.2	7.5
TOT OBS	4412	6226	734	38	1	11411		8.6	2601	220	2536	139	2408
TOT PCT	38.7	54.6	6.4	.3	.0				100.0	100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1952-1974
(OVER-ALL) 1970-1979

AREA 0005 PUERTO VALLARTA
20.5N 107.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				NO.	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+				
0000Z	4.4	8.3	53.1	32.4	1.7	.1	.0	9.3	100.0	2921	
0600Z	4.9	9.0	57.4	25.4	1.3	.0	.0	8.9	100.0	2675	
1200Z	7.3	9.3	54.6	25.8	1.0	.0	.0	8.2	100.0	2756	
1800Z	5.3	11.6	55.1	26.4	1.5	.0	.0	8.6	100.0	3159	
TOT	675	1097	6390	3086	156	7	.0	8.6		11411	
PCT	5.9	9.6	56.0	27.0	1.4	.1	.0	100.0			

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	18.1	9.5	7.8	1.9		3.0
NE	4.7	2.4	2.5	.9		3.3
E	1.7	.9	1.0	.3		3.4
SE	.8	.5	.7	.2		3.7
S	.6	.4	.6	.2		3.9
SW	.6	.4	.4	.2		3.8
W	3.1	1.6	1.7	.7		2.8
NW	15.3	7.9	6.1	1.1		2.8
VAR	.0	.0	.0	.0		.0
CALM	3.5	1.3	1.0	.2		2.4
TOT OBS	4133	2121	1849	430	8533	3.0
TOT PCT	48.4	24.9	21.7	5.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/P)
AND OCCURRENCE OF NM <5/P BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 0BS50	TOTAL OBS	MEAN	000 149	150 299	300 599	600 999	1000 1999	2000 3999	3500 6999	5000 7999	6500 7999	8000+	NM ANY	<5/P PCT	TOTAL OBS
						CLOUD COVER													
N	10.1	9.5	7.8	1.9	3.0	0	0	0	.11	.8	1.9	1.0	.3	.1	.1	.1	.1	32.9	
NE	4.7	2.4	2.5	.9	1.3	0	0	0	.0	.4	.7	.4	.2	0	0	0	0	8.8	
E	1.7	.9	1.0	.3	3.4	0	0	0	.27	.3	.1	.1	0	0	.0	.0	.0	3.2	
SE	.8	.5	.7	.2	3.7	0	.0	0	.1	.2	.1	0	0	0	0	0	0	1.7	
S	.6	.4	.6	.2	3.9	0	.0	0	.1	.2	.1	0	.0	.0	.0	0	0	1.3	
SW	.6	.4	.8	.2	3.8	0	.0	0	.1	.1	0	0	0	0	0	0	0	1.2	
W	3.1	1.6	1.7	.7	2.8	0	.0	0	.2	.2	.1	.1	.0	.0	.0	0	0	5.6	
NW	15.7	7.9	6.7	1.1	2.8	0	.1	.1	.8	1.5	.6	.3	0	.1	.1	.1	.1	26.9	
VAR	.0	.0	.0	.0	2.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.8	1.3	1.0	.2	2.4	0	0	0	.2	.1	.1	.0	.0	.0	.0	.0	.0	5.4	
TOT OBS	4133	2121	1889	430	8533	3.0	24	11	34	228	449	214	89	24	17	27	7417	8533	
TOT PCT	46.6	24.9	21.7	5.0	100.0		.3	.1	.4	2.7	5.3	2.5	1.0	.3	.2	.3	.3	86.9	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/P) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
> OR >6500	.4	.5	.5	.5	.5	.5	.5	.5
> OR >5000	.7	.8	.8	.8	.8	.8	.8	.8
> OR >3500	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
> OR >2000	4.1	4.3	4.3	4.4	4.4	4.4	4.4	4.4
> OR >1000	8.8	9.4	9.6	9.6	9.6	9.6	9.6	9.6
> OR >500	11.1	12.0	12.2	12.3	12.3	12.3	12.3	12.3
> OR >300	11.5	12.4	12.6	12.6	12.6	12.6	12.6	12.6
> OR >150	11.5	12.5	12.7	12.8	12.8	12.8	12.8	12.8
> OR >0	11.7	12.8	13.0	13.0	13.1	13.1	13.1	13.1
TOTAL	1020	1109	1120	1133	1134	1135	1135	1135

TOTAL NUMBER OF OBS: 8685

PCT FREQ NM <5/P: 86.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
25.2	21.3	18.7	13.6	8.1	4.7	3.3	2.7	2.3	.2	9128

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1870-1979

NOVEMBER

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	TOT %	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
5<10	PCP	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	1.1	.6	.2	.1	.1	.1	1.2	.0	.0	.2	4.1	
	TOT %	1.2	.7	.3	.2	.1	.1	1.3	.0	.0	.3	4.4	
10+	PCP	.1	.1	.0	.0	.1	.0	.1	.0	.0	.0	.0	
	NO PCP	35.4	9.8	3.5	2.0	1.5	1.4	5.9	29.7	.0	5.5	94.7	
	TOT %	35.5	9.9	3.6	2.1	1.5	1.4	5.9	29.8	.0	5.5	95.2	
TOT OBS													
TOT PCT													
		36.8	10.6	3.9	2.3	1.7	1.5	6.3	31.2	.0	5.8	100.0	10387

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.1	.1	.0	.0	.0	.1	.0	.0	.0	.5	
5<10	0-3	.2	.1	.1	.0	.0	.0	.1	.1	.0	.3	.6	
	4-10	.5	.4	.1	.1	.1	.1	.1	.7	.0	.0	2.2	
	11-21	.0	.2	.0	.0	.0	.0	.1	.4	.0	.0	1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	1.1	.7	.3	.2	.1	.1	.3	1.2	.0	.3	4.3	
10+	0-3	2.6	1.2	.7	.4	.3	.3	1.0	2.4	.0	5.6	14.5	
	4-10	19.7	6.3	2.3	1.2	.9	.9	4.0	18.0	.0	.0	51.3	
	11-21	12.7	2.5	.5	.4	.3	.2	.9	8.8	.0	.0	26.0	
	22+	.7	.1	.0	.0	.0	.0	.0	.3	.0	.0	1.2	
	TOT %	35.7	9.9	3.5	2.0	1.5	1.5	5.8	29.4	.0	5.6	95.0	
TOT OBS													
TOT PCT													
		37.0	10.7	3.8	2.3	1.7	1.6	6.2	30.9	.0	5.9	100.0	10934

NOVEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1870-1979

AREA 0005 PUERTO VALLARTA
70.5W 107.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY MET	TOTAL OBS
0000Z	.2	.3	.3	2.5	5.3	3.0	1.1	.3	.3	.4	13.7	86.3	2315
0600Z	.4	.1	.2	2.7	4.6	1.7	.6	.1	.2	.2	10.3	89.7	2160
1201Z	.2	.1	.4	2.8	5.6	2.1	.9	.2	.1	.3	12.8	87.2	2083
1802Z	.3	.1	.5	2.6	4.7	3.0	1.3	.4	.2	.3	13.3	86.7	2510
TOT	25	12	34	231	457	226	80	24	17	27	1141	792.7	9060
PCT	.3	.1	.4	2.5	5.0	2.5	1.0	.3	.2	.3	12.6	87.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000Z	.2	.2	.1	.5	3.7	95.3	2776
0600Z	.1	.1	.0	.3	4.9	94.6	2681
1201Z	.0	.1	.1	.7	5.5	93.6	2694
1802Z	.0	.2	.0	.3	3.3	96.1	3030
TOT	6	18	8	53	480	10614	11181
PCT	.1	.2	.1	.5	4.3	94.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <1	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000Z	.2	.9	3.8	10.6	85.6	2221
0600Z	.4	.8	3.3	7.6	89.1	2039
1201Z	.2	.7	4.2	9.3	86.5	2005
1802Z	.3	.9	3.8	10.0	86.3	2400
TOT	25	73	326	819	7540	8685
PCT	.3	.8	3.8	9.4	86.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	4	.0
90/94	.0	.0	.0	.7	.4	.1	.0	.0	60	.7
85/89	.0	.0	.0	.6	1.9	1.9	.6	.2	453	5.2
80/84	.0	.0	.1	1.1	9.0	21.1	11.0	2.4	3946	45.6
75/79	.0	.0	.1	1.1	6.7	19.0	13.1	3.3	3788	43.6
70/74	.0	.0	.0	.9	1.1	1.7	1.3	.6	427	4.9
65/69	.0	.0	.0	.0	.0	.0	.0	.0	12	.1
TOTAL	0	1	26	291	1653	3798	2326	565	8660	100.0
PCT	.0	.0	.3	3.4	19.1	43.9	26.9	6.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.2	.0	.0	.0	.0	.0	.0	.2	.0	.1
85/89	1.0	.7	.2	.2	.1	.0	.4	1.6	.0	.3
80/84	17.2	4.8	1.9	1.2	.8	.8	2.8	13.4	.0	2.7
75/79	16.5	4.5	1.6	.7	.7	.7	2.6	13.4	.0	2.7
70/74	1.6	.6	.2	.1	.1	.0	.0	1.7	.0	.2
65/69	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
TOTAL	37.4	10.6	3.9	2.1	1.7	1.6	6.2	30.5	.0	5.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	97	90	86	80	75	73	70	80.4	2851
0600Z	92	84	82	79	74	72	65	78.5	2731
1201Z	87	83	82	78	73	71	66	79.0	2005
1802Z	100	90	87	81	76	73	68	81.1	3191
TOT	100	88	85	80	74	72	65	79.6	11578

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	4.4	23.5	45.9	20.9	5.3	75	2215
0600Z	.0	1.8	12.8	43.0	34.6	7.9	78	2163
1201Z	.0	1.9	10.7	41.8	36.3	9.3	79	2005
1802Z	.0	6.2	27.8	44.5	17.3	4.2	73	2395
TOT	0	324	1689	3688	2385	582	76	8688

NOVEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1970-1979

APEA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 60	69 72	77 76	77 80	81 84	85 88	89 92	>92	TOT FOG	N FOG	NO FOG
14/16	.0	.0	.0	.0	.0	.0	.0	.0	9	.0	.1
11/13	.0	.0	.0	.0	.0	.1	.1	.1	23	.0	.2
9/10	.0	.0	.0	.1	.1	.1	.1	.0	36	.0	.4
7/8	.0	.0	.0	.1	.2	.3	.2	.0	83	.0	.9
6	.0	.0	.0	.1	.1	.4	.1	.0	77	.0	.8
5	.0	.0	.1	.2	.4	.3	.1	.0	115	.0	1.2
4	.0	.0	.1	.4	.8	.8	.1	.0	208	.0	2.1
3	.0	.0	.1	.4	.9	.7	.0	.0	216	.0	2.2
2	.0	.0	.2	.8	2.4	.7	.0	.0	398	.1	4.1
1	.0	.0	.1	1.2	2.8	.7	.0	.0	472	.0	4.8
0	.0	.1	.4	3.7	5.5	.5	.0	.0	998	.1	10.2
-1	.0	.0	.5	4.7	5.5	.2	.0	.0	1054	.1	10.8
-2	.0	.1	1.1	9.0	5.7	.1	.0	.0	1552	.1	15.9
-3	.0	.1	1.4	7.8	3.3	.1	.0	.0	1232	.0	12.7
-4	.0	.1	2.3	7.8	2.3	.0	.0	.0	1215	.0	12.5
-5	.0	.2	2.2	5.6	1.0	.0	.0	.0	876	.0	9.0
-6	.0	.1	1.7	2.9	.2	.0	.0	.0	478	.0	4.9
-7/-8	.0	.2	2.3	2.1	.1	.0	.0	.0	461	.0	4.8
-9/-10	.0	.2	.9	.4	.0	.0	.0	.0	136	.0	1.4
-11/-13	.0	.1	.1	.0	.0	.0	.0	.0	36	.0	.4
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	8	.0	.1
TOTAL	11	122	1330	4888	3049	484	16	16	9673	47	9636
PCT	.1	1.3	13.7	47.4	31.5	5.0	.9	.2	100.0	.5	99.5

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N											NE										
HGT	1-3	4-10	11-21	22-33	34-67	68+	PCT				1-3	4-10	11-21	22-33	34-67	68+	PCT				
C1	1.4	2.9	.2	.0	.0	.0	4.6				.8	.9	.1	.0	.0	.0	1.8				
1-2	.8	12.3	3.2	.0	.0	.0	16.3				.4	3.4	.6	.0	.0	.0	4.4				
3-4	.2	6.6	7.1	.3	.0	.0	14.2				.1	1.5	1.4	.0	.0	.0	3.0				
5-6	.0	1.3	3.2	.2	.0	.0	4.7				.0	.2	.7	.1	.0	.0	1.0				
7	.0	.1	.7	.1	.0	.0	.9				.0	.1	.0	.0	.0	.0	.1				
8-9	.0	.0	.2	.1	.0	.0	.4				.0	.0	.0	.0	.0	.0	.0				
10-11	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
12	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
13-16	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
17-19	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
20-22	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
23-25	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
26-32	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
33-40	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
41-48	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
49-60	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
61-70	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
71-86	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
87+	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
TOT PCT	2.6	23.2	14.8	.9	.0	.0	41.5				1.2	6.0	2.9	.3	.0	.0	10.5				
E											SE										
HGT	1-3	4-10	11-21	22-33	34-67	68+	PCT				1-3	4-10	11-21	22-33	34-67	68+	PCT				
C1	.3	.6	.0	.0	.0	.0	1.0				.2	.1	.0	.0	.0	.0	.3				
1-2	.3	1.1	.1	.0	.0	.0	1.5				.1	.2	.1	.0	.0	.0	.4				
3-4	.1	.5	.2	.0	.0	.0	.8				.0	.4	.1	.0	.0	.0	.4				
5-6	.0	.0	.1	.0	.0	.0	.1				.0	.0	.2	.0	.0	.0	.2				
7	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
8-9	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
10-11	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
12	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
13-16	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
17-19	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
20-22	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
23-25	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
26-32	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
33-40	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
41-48	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
49-60	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
61-70	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
71-86	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
87+	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0				
TOT PCT	.7	2.3	.4	.0	.0	.0	3.5				.3	.7	.4	.0	.0	.0	1.4				

PERIOD: (OVER-ALL) 1963-1979

NOVEMBER

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.1	.0	.0	.0	.4	.1	.3	.0	.0	.0	.0	.4
1-2	.1	.5	.0	.0	.0	.0	.6	.0	.5	.0	.0	.0	.0	.5
3-4	.0	.1	.0	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.2
5-6	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.8	.2	.0	.0	.0	1.2	.1	1.0	.1	.0	.0	.0	1.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.2	.6	.0	.0	.0	.0	.8	.9	2.4	.1	.0	.0	.0	.0	3.4
1-2	.2	2.3	.1	.0	.0	.0	2.7	.6	10.2	2.2	.0	.0	.0	.0	13.0
3-4	.0	.6	.3	.0	.0	.0	.9	.2	5.4	4.2	.2	.0	.0	.0	9.9
5-6	.0	.3	.1	.0	.0	.0	.4	.0	.9	2.1	.1	.0	.0	.0	3.2
7	.0	.2	.0	.0	.0	.0	.2	.0	.1	.5	.0	.0	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.9	.6	.0	.0	.0	5.0	1.8	19.0	9.1	.4	.0	.0	.0	30.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	9.8	8.1	.6	.0	.0	.0	18.5	
1-2	2.8	30.0	6.2	.0	.0	.0	39.1	
3-4	.8	15.0	13.1	.5	.0	.0	29.5	
5-6	.1	2.7	6.4	.5	.0	.0	9.7	
7	.0	.3	1.4	.2	.0	.0	1.9	
8-9	.0	.0	.3	.2	.0	.0	.6	
10-11	.0	.0	.0	.1	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	13.8	56.5	28.1	1.6	.0	.0	100.0	2413

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.2	21.3	19.8	7.2	1.9	.6	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4289
6-7	.1	2.8	8.2	6.4	2.2	.8	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1592
8-9	.1	.9	2.1	2.0	1.2	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	530
10-11	.0	.9	.7	.7	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	241
12-13	.0	.0	.6	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	88
>13	.0	.0	.0	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	54
SUBET	5.6	2.0	1.6	.7	.5	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	798
TOTAL	63.4	211.6	249.9	134.3	50.2	15.4	6.3	1.9	1.7	.7	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	7562
PCT	11.0	28.0	33.0	17.8	6.6	2.0	.8	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1860-1979

DECEMBER

AREA 005 PUERTO VALLARTA
2C.5N 107.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA						
WIND DIR	RAIN	RAIN SHUR	DRZL	FRZE PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG MO PCPN	FOG MO PCPN PAST HR	SPOKE HAZE	SPRAY BLWG DUST	NC SIG WEA	
N	.5	.2	.4	.0	.0	.0	.0	1.1	.6	.3	.1	.0	.2	.1	97.7	
NE	1.5	.3	1.3	.0	.0	.0	.0	2.9	.0	.0	.1	.0	.4	.0	95.0	
E	2.1	.2	.7	.0	.0	.0	.0	3.0	2.4	1.5	.3	.0	.4	.0	92.4	
SE	4.3	.9	.7	.0	.0	.0	.0	5.9	2.0	1.5	.7	.0	.4	.0	89.6	
S	2.9	.0	1.4	.0	.0	.0	.0	4.2	4.4	1.0	.0	.0	1.2	.0	89.2	
SW	5.3	.4	.0	.0	.0	.0	.0	5.7	1.0	1.0	.0	.0	1.2	.0	90.2	
W	1.1	.6	.2	.0	.0	.0	.0	1.9	1.1	.7	.0	.0	.5	.0	95.7	
NW	.1	.1	.3	.0	.0	.0	.0	.5	.6	.2	.4	.0	.4	.0	97.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	.0	.7	.0	.0	.0	.0	.7	.2	.7	.0	.0	1.1	.0	97.3	
TOT PCT	.9	.2	.6	.0	.0	.0	.0	1.6	.0	.5	.2	.0	.4	.0	96.5	
TOT OBS:	9626															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZE PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG MO PCPN	FOG MO PCPN PAST HR	SPOKE HAZE	SPRAY BLWG DUST	NC SIG WEA
0000	.0	.2	.3	.0	.0	.0	.0	1.3	.4	.1	.3	.0	.4	.0	97.4
0600	.7	.3	.5	.0	.0	.0	.0	1.5	.0	.9	.1	.0	.5	.0	96.1
1200	1.0	.3	.8	.0	.0	.0	.0	2.0	1.2	.9	.2	.0	.3	.0	95.4
1800	.9	.1	.6	.0	.0	.0	.0	1.6	.0	.1	.1	.0	.3	.0	97.1
TOT PCT	.9	.2	.6	.0	.0	.0	.0	1.6	.0	.5	.2	.0	.4	.0	96.5
TOT OBS:	9615														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)									
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21		
N	2.3	20.7	16.5	1.1	.0	.0		40.6	10.8	42.6	36.6	37.1	39.5	38.8	41.1	43.3	45.5			
NE	1.1	8.5	5.3	.2	.0	.0		15.1	9.8	13.3	17.9	14.0	8.1	15.5	15.4	17.3	17.3			
E	.0	3.0	.9	.0	.0	.0		4.7	7.6	3.9	3.8	5.6	2.4	4.7	2.9	5.1	4.4			
SE	.3	1.5	.5	.1	.0	.0		2.4	8.5	2.0	2.0	2.1	2.2	2.6	2.4	2.9	1.2			
S	.3	.9	.3	.0	.0	.0		1.5	8.6	1.7	1.7	1.2	2.2	1.3	1.1	1.7	3.0			
SW	.3	.8	.1	.0	.0	.0		1.3	6.6	1.7	1.9	1.0	1.6	1.1	2.0	1.2	1.4			
W	.0	3.4	.9	.0	.0	.0		5.1	7.7	5.7	4.9	5.9	7.9	4.9	5.2	4.1	1.6			
NW	1.6	14.0	8.3	.4	.0	.0		24.4	9.9	25.4	26.0	27.1	32.9	25.3	24.6	20.0	22.9			
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CALM	8.9							4.9	.0	3.8	5.2	6.0	1.2	5.8	5.2	4.3	2.8			
TOT OBS	1297	5546	3449	213	6	0	10511		9.4	2392	173	2351	126	2222	286	2814	143			
TOT PCT	12.3	52.8	32.8	2.0	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	9.8	75.5	5.2	.2	.0	90.6	10.8	42.2	37.2	39.1	43.4	
NE	4.5	9.2	1.3	.1	.0	15.1	9.8	13.6	13.7	15.5	17.3	
E	2.4	2.1	.2	.0	.0	4.7	7.6	3.9	3.8	5.6	5.1	
SE	1.1	1.1	.2	.0	.0	2.4	8.5	2.0	2.1	2.6	2.9	
S	.0	.7	.1	.0	.0	1.5	8.6	1.7	1.3	1.3	1.0	
SW	.7	.4	.1	.0	.0	1.3	6.6	1.7	1.0	1.2	1.2	
W	2.5	2.3	.3	.0	.0	5.1	7.7	5.7	6.0	4.9	4.0	
NW	7.3	14.7	2.3	.1	.0	24.4	9.9	25.5	27.4	25.2	20.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	4.9					4.9	.0	3.8	5.2	5.7	4.2	
TOT OBS	3572	5893	1010	36	0	10511		2565	2477	2500	1961	
TOT PCT	34.0	56.3	9.6	.3	.0		100.0	100.0	100.0	100.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1960-1979

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				4N+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	3.9	7.0	49.2	37.0	2.8	0	0	0	10.1	100.0	2565
0600	5.9	7.2	54.4	30.8	1.7	.1	0	0	9.2	100.0	2477
1200	5.7	7.8	55.2	29.5	1.7	.1	0	0	9.0	100.0	2508
1800	4.2	7.9	52.3	33.7	1.8	0	0	0	9.5	100.0	2461
TOT	513	787	5444	3448	213	4	0	0	9.4		10511
PCT	4.9	7.5	52.7	32.8	2.0	.1	0	0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-6	TOTAL OBS	MEAN CLOUD COVER
N	16.5	7.0	11.4	4.9		3.6
NE	5.1	2.9	4.0	1.1		4.2
E	1.6	.9	1.4	1.0		4.4
SE	.7	.4	.8	.5		4.5
S	.3	.3	.5	.4		5.2
SW	.3	.3	.4	.3		4.6
W	2.1	1.0	1.4	.6		3.6
NW	11.1	5.1	8.2	2.4		3.3
VAR	.0	.0	.0	.0		0.0
CALM	2.2	.4	.9	.4		3.0
TOT OBS	3152	1541	2133	1086	7912	3.7
TOT PCT	39.8	19.5	27.0	13.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 6499	6500 7999	8000+	NM <5/8 ANY HGT	TOTAL OBS
N	.1	.1	.2	1.7	3.4	1.8	.8	.3	.2	.4	31.4
NE	0	.0	.1	.0	1.6	.7	.4	.1	.1	.1	10.9
E	0	0	.1	.3	.6	.2	.1	.1	0	0	3.5
SE	0	0	0	.1	.3	.1	.1	0	.0	0	1.7
S	.0	.0	0	.1	.2	.1	0	0	0	0	.9
SW	0	0	0	.1	.1	.1	0	0	.0	0	.8
W	0	0	0	.3	.4	.2	.1	0	0	.1	4.0
NW	0	0	.2	.0	1.6	.9	.5	.1	.1	.2	20.3
VAR	.0	.0	0	0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.1	.2	.2	.1	.0	0	0	3.7
TOT OBS	17	8	51	350	680	340	171	48	42	67	7912
TOT PCT	.2	.1	.6	4.4	8.6	4.3	2.2	.6	.5	.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM)				
				= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR >5000	1.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0
= OR >3500	3.8	4.1	4.2	4.2	4.2	4.2	4.2	4.2
= OR >2000	7.4	8.4	8.5	8.5	8.5	8.5	8.5	8.5
= OR >1000	15.8	17.0	17.1	17.1	17.1	17.1	17.1	17.1
= OR >600	19.7	21.4	21.5	21.5	21.5	21.5	21.5	21.5
= OR >300	20.1	22.0	22.1	22.1	22.1	22.1	22.1	22.1
= OR >150	20.2	22.1	22.2	22.2	22.2	22.2	22.2	22.2
= OR >0	20.4	22.3	22.4	22.4	22.5	22.5	22.5	22.5
TOTAL	1638	1790	1801	1803	1804	1804	1805	1805

TOTAL NUMBER OF OBS: 8034

PCT FREQ NM <5/8: 77.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
25.5	14.1	14.8	11.8	8.7	5.6	5.7	4.8	6.9	.1	8490

OCTOBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1860-1979AREA CODES PUERTO VALLARTA
20.54 107.44

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSDBY (MM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	0	0	0	0	0	0	0	0	0	0	0	
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	
	TOT S	0	0	0	0	0	0	0	0	0	0	0	
1/2<1	PCP	0	0	0	0	0	0	0	0	0	0	0	
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	
	TOT S	0	0	0	0	0	0	0	0	0	0	0	
1<2	PCP	0	0	0	0	0	0	0	0	0	0	0	
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	
	TOT S	0	0	0	0	0	0	0	0	0	0	0	
2<5	PCP	0	0	0	0	0	0	0	0	0	0	0	
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	
	TOT S	0	0	0	0	0	0	0	0	0	0	0	
5<10	PCP	0	0	0	0	0	0	0	0	0	0	0	
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	
	TOT S	0	0	0	0	0	0	0	0	0	0	0	
10+	PCP	0	0	0	0	0	0	0	0	0	0	0	
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	
	TOT S	0	0	0	0	0	0	0	0	0	0	0	
TOT OBS 9594													
TOT PCT 40.5 15.0 4.0 2.4 1.5 1.3 5.2 24.6 0 4.4 100.0													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSDBY (MM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	
	4-10	0	0	0	0	0	0	0	0	0	0	0	
	11-21	0	0	0	0	0	0	0	0	0	0	0	
1/2<1	0-3	0	0	0	0	0	0	0	0	0	0	0	
	4-10	0	0	0	0	0	0	0	0	0	0	0	
	11-21	0	0	0	0	0	0	0	0	0	0	0	
1<2	0-3	0	0	0	0	0	0	0	0	0	0	0	
	4-10	0	0	0	0	0	0	0	0	0	0	0	
	11-21	0	0	0	0	0	0	0	0	0	0	0	
2<5	0-3	0	0	0	0	0	0	0	0	0	0	0	
	4-10	0	0	0	0	0	0	0	0	0	0	0	
	11-21	0	0	0	0	0	0	0	0	0	0	0	
5<10	0-3	0	0	0	0	0	0	0	0	0	0	0	
	4-10	0	0	0	0	0	0	0	0	0	0	0	
	11-21	0	0	0	0	0	0	0	0	0	0	0	
10+	0-3	0	0	0	0	0	0	0	0	0	0	0	
	4-10	0	0	0	0	0	0	0	0	0	0	0	
	11-21	0	0	0	0	0	0	0	0	0	0	0	
TOT OBS 10137													
TOT PCT 40.6 15.0 4.0 2.4 1.5 1.3 5.2 24.6 0 4.7 100.0													

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 186C-1979

DECEMBER

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 999	1000 1999	2000 3999	3500 6499	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 OBS	TOTAL OBS
0000Z	.1	.1	.6	3.9	8.3	4.4	2.6	.7	.5	.9	22.0	78.0	2128
0600Z	.2	.1	.5	3.7	7.5	3.7	1.7	.5	.7	.7	19.3	80.7	1979
12015	.4	.0	.8	5.0	9.1	4.2	1.9	.4	.4	1.3	23.6	76.4	1893
18021	.2	.2	.6	4.5	8.3	4.4	2.0	.8	.5	.6	22.1	77.9	2344
TOT	18	8	51	356	693	351	173	49	43	70	1812	6527	8339
PCT	.2	.1	.6	4.3	8.3	4.2	2.1	.6	.5	.8	21.7	78.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000Z	.1	0	.1	.5	5.0	94.3	2526
0600Z	.2	0	.0	.6	4.7	94.5	2468
12015	.1	0	.1	.5	6.2	93.0	2485
18021	.2	0	0	.4	4.5	94.9	2447
TOT	16	4	6	50	523	9727	10326
PCT	.2	0	.1	.5	5.1	94.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM) >4/8, BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000Z	.1	.9	5.1	17.7	77.2	2059
0600Z	.3	.9	5.0	15.3	79.7	1899
12015	.4	1.3	6.9	17.9	75.2	1920
18021	.2	.9	5.8	17.1	77.1	2256
TOT	20	81	456	1366	6213	8034
PCT	.2	1.0	5.7	17.0	77.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	0	.0	0	0	0	0	.0	11	.1
85/89	.0	.0	0	.1	.3	.3	.1	0	66	.8
80/84	.0	0	.1	.4	3.1	6.6	3.2	.6	1107	14.0
75/79	.0	.0	.1	1.4	6.3	22.3	16.0	4.4	4153	50.5
70/74	.0	.0	.1	1.1	6.6	10.6	9.9	3.1	2581	31.4
65/69	.0	.0	.0	.2	.6	1.0	.8	.5	254	3.1
60/64	.0	.0	.0	0	0	0	.0	0	7	.1
55/59	.0	.0	.0	.0	.0	0	0	.0	1	.0
TOTAL	0	2	26	263	1391	3353	2471	714	8220	100.0
PCT	.0	0	.3	3.2	16.9	40.8	30.1	8.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	0	0	0	.0	.0	.0	0	.1	.0	.0
85/89	.3	.1	0	.1	0	.0	0	.2	.0	.1
80/84	5.1	1.6	.8	.7	.3	.2	1.0	3.4	.0	.9
75/79	21.6	7.8	2.4	1.0	.8	.7	2.3	12.3	.0	1.8
70/74	12.8	5.4	1.3	.6	.2	.3	1.6	7.8	.0	1.4
65/69	1.3	.6	.1	.1	0	0	.2	.8	.0	.1
60/64	0	.0	.0	.0	.0	.0	0	0	.0	.0
55/59	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	41.1	15.4	4.7	2.4	1.4	1.1	5.0	24.5	.0	4.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	95%	90%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	94	85	82	77	71	67	59	76.5	7568
0600Z	84	82	80	75	70	67	61	75.0	2505
12015	91	81	80	75	69	64	63	74.6	2563
18021	93	86	83	77	71	68	60	77.3	2979
TOT	94	84	82	76	70	67	59	75.9	10635

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	4.2	20.4	42.8	26.4	5.9	76	2052
0600Z	.0	2.6	11.7	38.2	37.4	10.2	79	2042
12015	.0	1.9	11.6	36.9	36.6	12.0	79	2007
18021	.0	5.3	22.7	40.7	20.8	6.5	75	2279
TOT	0	300	1411	3410	2515	736	77	6380

DECEMBER

PERIOD: (PRIMARY) 1963-1979
(OVER-ALL) 1860-1979

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH/OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57	61	65	69	73	77	81	85	89	>92	TOT	N PCE	N FOG
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	.0	.1
11/13	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	20	.0	.2
9/10	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	30	.0	.3
7/8	.0	.0	.0	.0	.1	.2	.2	.1	.0	.0	65	.0	.7
6	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	49	.0	.5
5	.0	.0	.0	.0	.2	.5	.4	.2	.0	.0	122	.0	1.4
4	.0	.0	.0	.0	.4	.7	.6	.1	.0	.0	160	.0	1.8
3	.0	.0	.0	.0	.2	.7	.5	.1	.0	.0	141	.0	1.6
2	.0	.0	.0	.2	.6	1.6	1.2	.0	.0	.0	331	.0	3.7
1	.0	.0	.0	.1	.9	2.2	.9	.0	.0	.0	369	.0	4.1
0	.0	.0	.0	.4	2.8	5.1	1.6	.0	.0	.0	893	.0	10.0
-1	.0	.0	.0	.5	3.5	6.9	1.1	.0	.0	.0	892	.0	9.9
-2	.0	.0	.1	1.0	6.3	5.8	1.0	.0	.0	.0	1264	.0	14.1
-3	.0	.0	.0	1.4	5.7	4.5	.0	.0	.0	.0	1075	.0	12.0
-4	.0	.0	.1	2.3	6.7	3.7	.2	.0	.0	.0	1169	.0	13.0
-5	.0	.0	.3	2.1	5.2	2.2	.2	.0	.0	.0	896	.0	10.0
-6	.0	.0	.2	1.9	3.1	1.1	.1	.0	.0	.0	564	.0	6.3
-7/-8	.0	.0	.5	2.6	2.8	.9	.0	.0	.0	.0	606	.0	6.8
-9/-10	.0	.0	.4	1.1	.6	.2	.0	.0	.0	.0	209	.0	2.3
-11/-13	.0	.1	.3	.4	.1	.0	.0	.0	.0	.0	72	.0	.8
-14/-16	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	12	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	.0	.0
TOTAL	2	11	167	3526	3059	772	78	11	2	8947	100.0	.1	99.9
PCT	.0	.1	2.1	14.2	39.4	34.5	8.6	.9	.1	.0			

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	N	PCT	1-3	4-10	11-21	22-33	34-47	N	PCT
<1	.9	2.9	.2	.0	.0	.0	3.9	.2	1.3	.0	.0	.0	.0	1.6
1-2	.9	11.4	3.2	.0	.0	.0	15.5	.2	4.8	1.0	.0	.0	.0	6.0
3-4	.1	4.9	7.5	.4	.0	.0	12.9	.0	1.9	2.8	.0	.0	.0	4.7
5-6	.0	1.0	7.2	.2	.0	.0	8.5	.0	.4	1.3	.1	.0	.0	1.8
7	.0	.3	1.5	.3	.0	.0	2.2	.0	.0	.4	.1	.0	.0	.4
8-9	.0	.1	.3	.2	.0	.0	.5	.0	.0	.0	.0	.0	.0	.1
10-11	.0	.0	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	20.5	16.0	1.2	.0	.0	39.7	.6	6.5	5.5	.4	.0	.0	14.9

HGT	1-3	4-10	11-21	22-33	34-47	E	PCT	1-3	4-10	11-21	22-33	34-47	E	PCT
<1	.2	.9	.0	.0	.0	.0	1.1	.4	.7	.0	.0	.0	.0	.7
1-2	.2	1.7	.3	.0	.0	.0	2.0	.2	1.2	.3	.0	.0	.0	1.4
3-4	.0	.7	.4	.0	.0	.0	.4	.0	.3	.3	.0	.0	.0	.6
5-6	.0	.7	.5	.0	.0	.0	.6	.0	.1	.2	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.0	1.2	.0	.0	.0	4.8	.5	1.9	.9	.0	.0	.0	3.3

PERIOD: (OVER-ALL) 1963-1979

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AREA DDBS PUERTO VALLARTA
20.5N 107.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S								SW								TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.1	.3	.0	.0	.0	.0	.4		.2	.3	.0	.0	.0	.0	.5		
1-2	.2	.5	.2	.0	.0	.0	.8		.1	.5	.1	.0	.0	.0	.6		
3-4	.0	.3	.1	.0	.0	.0	.3		.0	.1	.1	.0	.0	.0	.2		
5-6	.0	.0	.1	.0	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0		
7	.0	.0	.1	.0	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
TOT PCT	.2	1.1	.4	.0	.0	.0	1.6		.3	.8	.2	.0	.0	.0	1.3		

HGT	W								NW								TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.4	.7	.0	.0	.0	.0	1.1		.3	2.1	.1	.0	.0	.0	2.5		
1-2	.2	2.1	.4	.0	.0	.0	2.6		.5	9.1	2.7	.0	.0	.0	12.3		
3-4	.0	.5	.4	.0	.0	.0	1.0		.0	3.0	3.5	.2	.0	.0	6.7		
5-6	.0	.0	.3	.0	.0	.0	.3		.1	.5	1.5	.2	.0	.0	2.3		
7	.0	.0	.0	.0	.0	.0	.1		.0	.1	.4	.1	.0	.0	.6		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.1	.2	.1	.0	.0	.3		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
TOT PCT	.6	3.3	1.1	.0	.0	.0	5.1		1.1	15.4	6.4	.5	.0	.0	23.5		96.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.0	9.4	.3	.0	.0	.0	16.7	
1-2	2.7	30.9	8.0	.0	.0	.0	41.5	
3-4	.2	11.2	15.0	.4	.0	.0	26.9	
5-6	.2	2.1	7.0	.5	.1	.0	9.9	
7	.0	.4	2.5	.7	.0	.0	3.6	
8-9	.0	.1	.5	.3	.0	.0	.9	
10-11	.0	.0	.1	.1	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.0	54.2	33.4	2.3	.1	.0	100.0	2336

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT	
<6	5.4	20.0	19.8	8.6	2.6	.7	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4103	2
6-7	.2	2.4	7.7	5.7	2.5	.8	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1415	4
8-9	.0	.5	2.1	2.1	1.2	.7	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	511	5
10-11	.0	.7	.7	.5	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	204	5
12-13	.0	.0	.5	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	110	6
>13	.0	.0	.0	.3	.2	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49	7
INDET	5.6	1.6	1.9	.8	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	751	2
TOTAL	797	1801	2342	1315	557	194	82	27	17	11	2	1	0	0	0	0	0	0	0	0	7146	3
PCT	11.2	25.2	32.8	18.4	7.8	2.7	1.1	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HCLR	THDR LTNG	FGG NO PCPN	FGG NO PCPN PAST HR	SMOKE NO PCPN	HAZE	BLNG	SPRAY	DLST	NC SIG
N	.6	.3	.3	.0	.0	.0	1.3	.6	1.8	.1	.0	.6	.0	.0	.0	.0	95.6
NE	1.6	.6	.6	.0	.0	.0	3.1	1.5	2.7	.1	.0	.7	.0	.0	.0	.0	92.0
E	3.5	1.4	1.1	.0	.0	.0	5.7	2.6	2.6	.2	.0	.7	.0	.0	.0	.0	88.3
SE	3.6	1.6	.9	.0	.0	.0	5.9	2.8	2.4	.3	.0	1.6	.1	.0	.0	.0	86.9
S	2.4	1.2	.9	.0	.0	.0	4.5	2.7	2.5	.2	.0	1.1	.0	.0	.0	.0	89.2
SW	2.0	.7	.7	.0	.0	.0	3.2	1.6	1.9	.3	.0	1.3	.0	.0	.0	.0	91.7
W	.6	.3	.2	.0	.0	.0	1.1	.5	1.4	.2	.0	1.1	.0	.0	.0	.0	95.5
NW	.4	.2	.2	.0	.0	.0	.8	.5	1.3	.2	.0	.7	.0	.0	.0	.0	96.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3	.1	.2	.0	.0	.0	.6	.4	2.6	.4	.0	2.4	.0	.0	.0	.0	93.5
TOT PCT	1.0	.5	.4	.0	.0	.0	1.9	.9	1.7	.2	.0	.9	.0	.0	.0	.0	94.3
TOT OBS:131987																	

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG NO PCPN	FGG NO PCPN PAST HR	SMOKE NO PCPN	HAZE	BLNG	SPRAY	DLST	NC SIG
0000	.7	.3	.0	.0	.0	.0	1.4	.7	.2	.2	.0	1.0	.0	.0	.0	.0	96.5
0600	1.0	.4	.0	.0	.0	.0	1.7	.9	3.8	.2	.0	.8	.1	.0	.0	.0	92.7
1200	1.5	.7	.6	.0	.0	.0	2.8	1.2	3.1	.3	.0	.9	.1	.0	.0	.0	91.8
1800	1.0	.5	.0	.0	.0	.0	1.8	1.0	.2	.2	.0	1.0	.0	.0	.0	.0	95.7
TOT PCT	1.0	.5	.4	.0	.0	.0	1.9	.9	1.8	.2	.0	.9	.0	.0	.0	.0	94.3
TOT OBS:134721																	

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.8	12.0	8.0	.5	.0	.0		22.3	9.4		21.7	20.9	20.7	20.4	22.3	22.1	24.6	21.2
NE	.7	3.9	1.7	.1	.0	.0		6.4	8.4		4.9	6.7	5.6	4.4	6.9	8.0	7.8	4.7
E	.6	2.4	.8	.2	.0	.0		4.0	8.4		2.8	3.0	3.7	2.5	4.5	4.1	5.1	3.8
SE	.6	2.5	1.5	.5	.1	.0		5.1	9.2		4.8	5.5	4.6	4.2	4.6	5.0	6.2	7.4
S	.6	2.0	.8	.2	.0	.0		3.6	8.1		4.3	4.4	3.5	4.0	3.0	3.0	3.6	4.5
SW	.6	2.3	.5	.1	.0	.0		3.5	7.4		4.4	3.8	3.1	4.4	2.8	4.0	3.4	4.3
W	1.6	8.9	3.7	.2	.0	.0		14.9	8.5		16.3	14.4	15.2	17.4	11.2	14.1	12.7	15.0
NW	2.4	10.2	12.4	.6	.0	.0		34.7	9.9		36.8	36.1	36.4	37.7	34.6	34.7	31.1	34.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.0							6.0	.0		4.1	5.0	6.9	3.5	6.2	4.9	5.6	3.3
TOT OBS								142549	9.1		33008	2497	31307	1920	29901	3923	77830	2163
TOT PCT	14.9	53.1	29.4	2.3	.2	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+						00	03	09	18
N	6.4	13.4	2.4	.1	.0			22.3	9.4		21.6	20.7	22.3	24.5
NE	2.5	3.4	.4	.0	.0			6.4	8.4		5.1	5.6	7.1	7.7
E	1.6	1.0	.3	.1	.0			4.0	8.4		2.8	3.7	4.5	5.0
SE	1.8	2.2	.6	.2	.0			5.1	9.2		4.8	4.7	4.6	6.2
S	1.6	1.5	.4	.1	.0			3.6	8.1		4.3	3.5	3.0	3.6
SW	1.8	1.5	.1	.0	.0			3.5	7.4		4.3	3.2	2.9	3.4
W	5.6	7.0	.9	.0	.0			14.4	8.5		16.2	15.4	13.3	12.8
NW	9.7	21.6	3.3	.1	.0			34.7	9.9		36.8	36.6	34.6	31.3
VAR	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0
CALM	6.0							6.0	.0		4.1	6.7	7.8	5.4
TOT OBS								142549	9.1		35505	33227	33624	34993
TOT PCT	37.2	53.2	8.7	.7	.1			100.0			100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000	4.1	8.0	51.0	33.7	2.9	.3	0	9.8	100.0	35505
0600	6.7	8.0	53.8	29.0	2.1	.2	0	9.1	100.0	33227
1200	7.8	9.1	50.5	26.5	1.9	.2	0	8.6	100.0	33824
1800	5.4	10.6	53.1	28.3	2.3	.2	0	8.9	100.0	39993
TOT								9.1		142549
PCT	6.0	9.0	53.1	29.4	2.3	.2	0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL	CLOUD
				OBS	OBS	COVER
N	10.7	4.9	5.3	1.7		3.3
NE	2.4	1.2	1.7	.8		3.8
E	1.1	.8	1.3	.8		4.2
SE	1.0	1.0	1.9	1.2		4.3
S	.9	.8	1.3	.7		4.1
SW	1.2	.8	1.0	.4		3.8
W	6.3	3.2	3.6	1.2		3.2
NW	16.5	7.7	8.1	2.4		2.4
VAR	.0	.0	.0	.0		.0
CALM	2.9	1.3	1.3	.4		2.9
TOT OBS					107947	3.4
TOT PCT	43.0	21.8	25.5	9.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NM <5/8	TOTAL
149	299	599	999	1999	3999	6999	8999	7999		ANY MET	OBS
.1	0	.1	.6	1.4	.7	.3	.1	.1	.1	19.1	
0	0	0	.3	.6	.3	.1	0	0	0	4.8	
0	0	.1	.3	.5	.2	.1	0	0	0	2.8	
.1	0	.1	.4	.7	.2	.1	0	0	0	3.4	
0	0	.1	.3	.4	.2	.1	0	0	0	2.6	
0	0	0	.2	.3	.1	.1	0	0	0	2.6	
0	0	.1	.5	1.1	.5	.2	.1	0	0	11.5	
.1	0	.2	1.1	2.3	1.2	.5	.2	.1	0	28.9	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
0	0	0	.1	.4	.2	.1	0	0	0	5.1	
107947											
.4	.2	.7	3.9	7.5	3.6	1.7	.5	.3	.5	80.7	
100.0											

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM) >4/8 AND VSBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM)				= OR >1	= OR >1/2	= OR >1/4	= OR >5000	= OR >0
				= OR >1	= OR >1/2	= OR >1/4	= OR >5000					
= OR >8000	.7	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
= OR >5000	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
= OR >3500	2.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
= OR >2000	6.0	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
= OR >1000	12.6	13.8	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
= OR >600	15.7	17.5	17.8	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
= OR >300	16.2	18.2	18.5	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
= OR >150	16.3	18.3	18.6	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
= OR >0	16.5	18.6	19.0	19.1	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.2

TOTAL NUMBER OF OBS: 107949

PCT FREQ NM <5/8: 80.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

D	1	2	3	4	5	6	7	8	9	0	OBSCD	TOTAL OBS
26.3	17.6	16.0	12.3	8.3	5.1	5.2	4.1	4.8	.3			115872

PERIOD: (PRIMARY) 1952-1979
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	0	0	0	0	0	0	0	0	.0	.0	0	
	NO PCP	0	0	0	0	0	0	0	0	.0	0	0	
	TOT %	0	0	0	0	0	0	0	0	.0	0	.1	
1/2<1	PCP	0	0	0	0	0	0	0	0	.0	0	0	
	NO PCP	0	0	0	0	0	0	0	0	.0	0	0	
	TOT %	0	0	0	0	0	0	0	0	.0	0	.1	
1<2	PCP	0	0	0	0	0	0	0	0	.0	0	.1	
	NO PCP	0	0	0	0	0	0	0	0	.0	0	0	
	TOT %	0	0	0	0	0	0	0	0	.0	0	.1	
2<5	PCP	0	0	0	.1	0	0	0	0	.0	0	.2	
	NO PCP	0	0	0	0	0	0	.1	0	.0	0	.3	
	TOT %	.1	0	.1	.1	.1	0	.1	.1	.0	0	.6	
5<10	PCP	.1	.1	.1	.2	.1	0	.1	.1	.0	0	.7	
	NO PCP	.0	.3	.3	.5	.3	.2	.0	1.5	.0	.3	5.1	
	TOT %	.0	.4	.4	.7	.4	.3	.9	1.6	.0	.3	5.8	
10+	PCP	.1	.1	.1	.2	.1	0	.1	.1	.0	0	.8	
	NO PCP	21.3	5.7	3.4	4.2	1.1	3.0	13.4	33.0	.0	5.4	92.6	
	TOT %	21.4	5.8	3.5	4.3	1.2	3.1	13.5	33.1	.0	5.5	93.4	
TOT OBS													131581
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	0	.0	0	0	.0	0	0	.0	.0	0	0	
	4-10	0	0	0	0	0	0	0	0	.0	0	.1	
	11-21	0	0	0	0	0	0	0	0	.0	0	0	
	22+	.0	0	0	0	0	0	0	0	.0	0	0	
	TOT %	0	0	0	0	0	0	0	0	.0	0	.1	
1/2<1	0-3	.0	0	0	0	.0	0	0	0	.0	0	0	
	4-10	0	0	0	0	0	0	0	0	.0	0	0	
	11-21	0	0	0	0	0	0	0	0	.0	0	0	
	22+	0	0	0	0	0	0	0	0	.0	0	0	
	TOT %	0	0	0	0	0	0	0	0	.0	0	.1	
1<2	0-3	0	.0	0	0	0	.0	.0	0	.0	0	0	
	4-10	0	0	0	0	0	0	0	0	.0	0	.1	
	11-21	0	0	0	0	0	0	0	0	.0	0	.1	
	22+	0	0	0	0	0	0	0	0	.0	0	0	
	TOT %	0	0	0	0	0	0	0	0	.0	0	.2	
2<5	0-3	0	0	0	0	0	0	0	0	.0	0	.1	
	4-10	0	0	0	0	0	0	0	.1	.0	0	.3	
	11-21	0	0	0	0	0	0	0	.1	.0	0	.2	
	22+	0	0	0	.1	0	0	0	0	.0	0	.2	
	TOT %	.1	.1	.1	.1	.1	0	.1	.2	.0	0	.8	
5<10	0-3	.1	0	0	0	0	0	.1	.1	.0	.3	.0	
	4-10	.0	.2	.2	.2	.2	.2	.5	.0	.0	0	2.6	
	11-21	.3	.1	.1	.2	.1	.1	.3	.6	.0	0	1.0	
	22+	0	0	.1	.2	.1	0	0	0	.0	0	.5	
	TOT %	.9	.4	.4	.7	.4	.3	.9	1.6	.0	.3	5.7	
10+	0-3	1.6	.6	.6	.6	.5	.5	1.5	2.3	.0	5.6	13.0	
	4-10	11.5	3.6	2.1	2.2	1.0	2.1	8.4	10.3	.0	0	50.1	
	11-21	7.7	1.9	.7	1.2	.7	.4	3.5	11.0	.0	0	27.5	
	22+	.6	.1	.1	.3	.1	0	.1	.6	.0	0	1.0	
	TOT %	21.4	5.8	3.4	4.3	3.2	3.1	13.5	32.9	.0	5.6	93.1	
TOT OBS													137724
TOT PCT													100.0

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

ANNUAL

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY MGT	TOTAL OBS
00003	.3	.1	.6	3.2	6.5	3.2	1.5	.5	.4	.5	16.6	83.4	29660
06009	.5	.1	.6	3.2	6.1	2.9	1.2	.3	.3	.4	15.9	84.1	26833
12015	.6	.2	.9	5.0	9.2	3.9	1.7	.4	.2	.5	22.6	77.4	26085
18021	.3	.2	.7	3.7	7.2	3.7	1.9	.7	.3	.4	19.2	80.8	31059
TOT													110437
PCT	.4	.2	.7	3.8	7.2	3.4	1.6	.5	.3	.4	18.5	81.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.1	.1	.2	.6	4.6	94.4	34942
06009	.1	.1	.1	.8	6.1	92.8	33290
12015	.2	.1	.2	1.1	7.6	90.8	33410
18021	.2	.1	.2	.7	4.8	94.1	30850
TOT							140492
PCT	.1	.1	.2	.8	5.7	93.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING MGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 (6FT)	<500 (1600)	<1000 (3200)	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.3	1.0	4.6	12.8	82.6	28445
06009	.6	1.4	5.1	11.7	83.2	25683
12015	.6	1.9	7.6	16.2	76.3	25032
18021	.3	1.3	5.4	14.6	80.0	30609
TOT						109769
PCT	.4	1.4	5.6	13.8	80.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
100/104	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
90/94	.0	.0	.0	.1	.5	.3	.1	.0	.9	.0
85/89	.0	.0	.2	1.6	4.5	1.4	.3	.0	8.0	.7
80/84	.0	.0	.4	3.2	12.3	12.5	2.4	.0	30.8	2.5
75/79	.0	.0	.1	.7	5.0	11.0	9.5	3.7	27.9	1.5
70/74	.0	.0	.1	.5	3.5	7.9	8.8	3.5	24.4	1.0
65/69	.0	.0	.0	.2	.8	2.1	3.0	1.3	7.3	.2
60/64	.0	.0	.0	.0	.1	.1	.2	.1	.5	.0
55/59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL									110514	100.0
PCT	.0	.0	.7	2.1	12.7	36.2	35.4	11.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALP
100/104	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.1	.0	.1	.1	.1	.0	.1	.3	.0	.1
85/89	1.2	.4	.5	.9	.5	.4	1.1	2.4	.0	.7
80/84	5.2	1.7	1.8	2.8	1.9	1.4	4.4	9.1	.0	2.5
75/79	7.0	1.9	1.0	1.0	.9	.9	3.9	9.8	.0	1.5
70/74	7.2	1.8	.5	.3	.3	.5	3.3	9.5	.0	1.0
65/69	1.9	.4	.1	.1	.1	.1	1.2	3.2	.0	.2
60/64	.1	.0	.0	.0	.0	.0	.1	.3	.0	.0
55/59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	22.8	6.3	4.1	5.2	3.6	3.3	14.1	34.7	.0	5.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	100	89	85	79	73	70	55	79.8	35773
06009	99	83	81	76	71	68	54	76.3	33758
12015	95	82	80	76	70	67	54	75.7	30445
18021	100	88	85	79	73	69	59	79.2	40421
TOT	100	87	84	77	71	68	54	77.6	140397

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	3.2	17.1	44.9	28.2	6.6	76	28396
06009	.0	1.1	6.8	32.0	45.1	15.0	81	27163
12015	.0	1.1	6.3	29.2	45.3	18.1	82	26591
18021	.0	3.0	19.3	45.2	25.2	6.5	76	30710
TOT	1	2566	14012	42991	40402	12688	79	112860

ANNUAL

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1959-1979

AREA ODDS PUERTO VALLARTA
20.5% 107.4%

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH/OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93	TOT	% FOG	% FOG
23/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	.C	.0
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	45	.C	.0
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	191	.0	.2
11/13	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	526	.0	.4
9/10	.0	.0	.0	.0	.1	.1	.2	.1	.1	.1	.0	869	.0	.7
7/8	.0	.0	.0	.0	.1	.2	.3	.4	.2	.2	.1	1771	.0	1.4
6	.0	.0	.0	.0	.1	.1	.3	.2	.1	.1	.0	1400	.0	1.1
5	.0	.0	.0	.0	.1	.3	.5	.5	.5	.2	.0	2600	.0	2.1
4	.0	.0	.0	.0	.2	.5	.7	.7	.6	.2	.0	3646	.0	2.9
3	.0	.0	.0	.0	.1	.2	.6	.7	.7	.1	.0	3819	.0	3.1
2	.0	.0	.0	.0	.1	.5	1.1	1.2	1.6	1.0	.1	7018	.0	5.7
1	.0	.0	.0	.0	.1	.5	1.3	1.3	1.7	1.0	.1	7323	.0	5.9
0	.0	.0	.0	.3	1.3	2.5	2.6	3.7	1.2	.0	.0	14422	.0	11.7
-1	.0	.0	.0	.3	1.4	2.4	2.4	3.5	.8	.0	.C	13244	.0	10.8
-2	.0	.0	.0	.5	2.2	3.1	3.4	4.2	.4	.0	.0	16938	.0	13.8
-3	.0	.0	.0	.5	2.0	2.4	2.8	2.8	.7	.0	.0	13055	.0	10.7
-4	.0	.0	.1	.8	2.1	2.5	2.8	2.1	.1	.0	.0	12669	.0	10.4
-5	.0	.0	.1	.7	1.8	1.8	2.1	1.1	.0	.0	.0	9212	.0	7.6
-6	.0	.0	.1	.5	1.1	1.2	1.2	.4	.0	.0	.0	5361	.0	4.4
-7/-8	.0	.0	.1	.7	1.3	1.3	1.1	.3	.0	.0	.0	5649	.0	4.7
-9/-10	.0	.0	.1	.3	.4	.4	.2	.1	.0	.0	.0	1896	.0	1.6
-11/-13	.0	.0	.0	.1	.2	.1	.0	.0	.0	.0	.0	629	.0	.5
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	123	.C	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.0	.0
-20/-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	.C	.0
-23/-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL												22484		
PCT	.0	.0	.6	5.0	15.5	21.8	23.7	24.4	7.4	1.3	.2	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	1.9	.1	.0	.C	.0	2.8	.3	.7	.0	.0	.C	.0	1.0
1-2	.6	7.0	1.9	.0	.0	.0	9.5	.2	2.1	.5	.0	.C	.0	2.8
3-4	.1	3.2	4.0	.1	.C	.0	7.4	.0	.8	.8	.0	.C	.0	1.7
5-6	.0	.5	2.0	.1	.0	.0	2.7	.0	.2	.4	.0	.C	.0	.6
7	.0	.1	.7	.1	.0	.0	.9	.0	.0	.1	.0	.0	.0	.2
8-9	.0	.0	.2	.1	.0	.0	.3	.0	.0	.0	.0	.0	.C	.0
10-11	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	.0	.8
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0	.0	.C	.C	.0	.0	.C	.0
41-48	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.C
TOT PCT	1.5	12.8	8.8	.5	.1	.0	23.7	.5	3.6	1.8	.1	.0	.C	6.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	.0	.0	.C	.0	.8	.2	.4	.0	.0	.C	.0	.7
1-2	.7	1.3	.2	.0	.C	.0	1.6	.2	1.2	.3	.0	.C	.0	1.7
3-4	.0	.4	.3	.0	.C	.0	.8	.0	.5	.6	.1	.C	.0	1.2
5-6	.0	.1	.2	.1	.0	.0	.3	.0	.1	.5	.1	.0	.0	.7
7	.0	.0	.1	.1	.0	.0	.1	.0	.0	.1	.2	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1	.0	.C	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
12	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.C	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.C
TOT PCT	.4	2.3	.8	.2	.0	.0	3.9	.5	2.2	1.6	.5	.1	.0	5.0

PERIOD: (OVER-ALL) 1963-1979

ANNUAL
TABLE 18 (CONT)AREA 0005 PUERTO VALLARTA
20.5h 107.4h

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S								SW							
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.2	.4	.0	.0	.0	.0	.6	.2	.4	.0	.0	.0	.0	.7	
1-2	.2	.9	.1	.0	.0	.0	1.2	.2	1.1	.2	.0	.0	.0	1.4	
3-4	.0	.5	.3	.0	.0	.0	.8	.0	.4	.2	.0	.0	.0	.6	
5-6	.0	.1	.3	.1	.0	.0	.4	.0	.1	.1	.0	.0	.0	.2	
7	.0	.0	.1	.1	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.4	1.9	.9	.3	.0	.0	3.5	.4	2.1	.5	.1	.0	.0	3.0	

W								NW								TOTAL PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.6	1.3	.1	.0	.0	.0	1.9	.6	2.5	.1	.0	.0	.0	3.5		
1-2	.4	4.6	1.0	.0	.0	.0	6.1	.9	10.5	3.2	.0	.0	.0	19.6		
3-4	.1	1.9	1.8	.0	.0	.0	3.8	.2	5.2	6.0	.2	.0	.0	11.5		
5-6	.0	.4	.9	.1	.0	.0	1.4	.0	1.0	3.1	.2	.0	.0	4.4		
7	.0	.1	.2	.1	.0	.0	.4	.0	.1	.9	.2	.0	.0	1.2		
8-9	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	.1	.0	.0	.3		
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1		
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
TOT PCT	1.1	6.3	4.0	.2	.0	.0	13.6	2.0	19.5	13.6	.7	.0	.0	35.7	94.4	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	9.1	8.4	.4	.0	.0	.0	17.9	
1-2	3.1	28.5	7.3	.0	.0	.0	38.9	
3-4	.4	12.6	13.8	.4	.0	.0	27.5	
5-6	.1	2.4	7.2	.7	.0	.0	10.5	
7	.0	.4	2.2	.7	.0	.0	3.3	
8-9	.0	.1	.5	.4	.0	.0	1.1	
10-11	.0	.0	.1	.2	.1	.0	.4	
12	.0	.0	.0	.0	.0	.0	.1	
13-16	.0	.0	.0	.1	.1	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	13.0	52.5	71.6	2.5	.4	.0	100.0	29987

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.0	18.5	18.4	7.0	2.1	.7	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	50599	3
6-7	.1	2.5	7.5	6.6	2.0	1.1	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21111	5
8-9	.1	.8	2.4	2.6	1.6	.8	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9031	5
10-11	.0	.7	.9	.9	.6	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3019	6
12-13	.0	.0	.7	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1761	6
>13	.0	.0	.0	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	902	7
INDET	5.2	1.7	1.8	1.0	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10211	2
TOTAL	10.4	24.2	31.7	19.0	8.0	3.3	1.7	.6	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	97634	4
PCT	10.4	24.2	31.7	19.0	8.0	3.3	1.7	.6	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

TABLE 20

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP IDEG F BY MONTH

SEA TEMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	.0
93/94	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	50	.0
91/92	.0	.0	.0	.0	.1	.1	.2	.5	.3	.3	.1	.0	179	.1
89/90	.0	.0	.0	.0	.0	.3	1.0	2.0	2.2	1.4	.3	.0	931	.7
87/88	.1	.0	.0	.1	.4	1.2	5.5	12.5	10.8	7.0	1.4	.4	4509	3.4
85/86	.4	.2	.1	.2	1.5	6.5	19.7	29.1	28.0	23.9	8.0	1.9	13720	10.3
83/84	1.9	.9	.5	.9	4.7	13.7	25.2	26.4	29.2	32.9	23.6	5.7	18750	14.1
81/82	6.6	4.0	2.1	3.3	11.9	20.1	22.5	18.5	19.6	23.9	35.3	17.2	20610	15.5
79/80	12.1	7.8	5.2	7.6	16.4	15.4	11.0	6.4	5.7	6.9	18.5	25.7	14967	11.3
77/78	19.1	14.5	11.0	15.5	18.2	11.9	6.8	2.2	2.2	2.3	7.2	24.4	14645	11.0
75/76	22.5	21.1	20.4	22.7	16.5	9.8	3.7	.9	.9	.8	2.9	15.7	14951	11.3
73/74	19.3	21.5	23.3	21.7	12.1	8.6	2.3	.3	.4	.3	1.1	6.9	12612	9.7
71/72	10.8	16.3	18.7	13.8	7.4	5.3	.9	.2	.2	.2	.5	2.4	8349	6.3
69/70	4.4	8.4	10.6	7.4	4.9	3.5	.5	.0	.1	.0	.2	1.0	4532	3.4
67/68	1.6	3.5	4.4	3.6	2.9	1.7	.3	.0	.0	.1	.4	2036	1.5	
65/66	.5	1.1	2.0	1.7	1.4	.9	.2	.0	.0	.0	.0	.2	889	.7
63/64	.3	.5	1.0	1.1	1.0	.7	.1	.0	.0	.0	.0	.1	537	.4
61/62	.1	.1	.2	.3	.3	.1	.0	.0	.0	.0	.0	.0	137	.1
59/60	.0	.1	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	52	.0
57/58	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	10241	9850	11367	11026	12278	11377	11714	11422	11546	11193	10462	9808	132704	100.0
MEAN	75.6	74.3	73.5	74.3	76.4	78.6	82.2	84.2	83.8	83.4	81.5	78.3	78.8	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1017	1014	1015	1013	1014	1014	1016	1013	1014	10380
FEB	1017	1014	1015	1013	1013	1014	1015	1014	1014	10134
MAR	1012	1013	1014	1012	1013	1013	1015	1013	1013	11539
APR	1012	1012	1013	1011	1012	1013	1014	1012	1013	11430
MAY	1011	1011	1012	1010	1011	1012	1013	1011	1012	12644
JUN	1010	1010	1012	1010	1011	1011	1012	1010	1011	11754
JUL	1010	1011	1013	1010	1012	1012	1013	1011	1012	12004
AUG	1010	1011	1012	1010	1011	1011	1012	1010	1011	11472
SEP	1009	1009	1011	1008	1010	1010	1011	1009	1010	12067
OCT	1010	1011	1012	1010	1011	1011	1012	1010	1011	11722
NOV	1012	1013	1013	1012	1013	1013	1014	1012	1013	10774
DEC	1013	1014	1014	1012	1013	1014	1015	1013	1014	9492
ANN	1011	1012	1013	1011	1012	1012	1014	1012	1012	134417
OBS	31490	1513	30423	1981	29140	2938	36346	2186		

PERCENTILES

MO	992	991	98	50	25	50	75	95	991	992
JAN	992	1007	1010	1013	1014	1016	1018	1020	1026	
FEB	994	1007	1010	1013	1014	1016	1018	1020	1026	
MAR	996	1007	1010	1012	1013	1015	1017	1019	1027	
APR	994	1007	1009	1011	1013	1014	1016	1017	1024	
MAY	999	1006	1008	1010	1012	1013	1015	1017	1022	
JUN	994	1004	1007	1010	1011	1013	1015	1016	1024	
JUL	995	1004	1008	1010	1012	1013	1015	1017	1024	
AUG	992	1002	1007	1010	1012	1013	1015	1016	1020	
SEP	990	1001	1005	1008	1010	1012	1014	1015	1026	
OCT	992	1003	1007	1010	1011	1013	1015	1017	1024	
NOV	995	1007	1009	1012	1013	1014	1017	1018	1025	
DEC	992	1008	1010	1012	1014	1015	1018	1020	1025	

Volume	Area	Name	Approximate Central Location
1	1	Central Baja West	26.6 N 115.7 W
	2	Southwest Baja	22.6 N 112.1 W
	3	Gulf Of California	26.0 N 110.2 W
	4	Mazatlan	22.8 N 107.4 W
	5	Puerto Vallarta	20.0 N 107.8 W
2	6	Manzanillo SE	16.9 N 103.2 W
	7	Acapulco South	14.7 N 99.1 W
	8	Gulf Of Tehuantepec	14.0 N 95.0 W
	9	Guatemala SW Coast	12.3 N 91.4 W
	10	Nicaragua SW Coast	9.8 N 87.0 W
	11	Punta Burica	7.5 N 83.5 W